

BIBLIOGRAFI 2003

PROQUEST

A catalogue of molecular, physiological and symbiotic properties of soybean-nodulating rhizobial strains from different soybean cropping areas of China/J Thomas-Oates, J Bereszczak, E Edwards, A Gill, et al.

Systematic and App. Microbiology. Stuttgart: Sep 2003. Vol. 26, Iss. 3; p. 453

A chorismate mutase from the soybean cyst nematode *Heterodera glycines* shows polymorphisms that correlate with virulence/Sadia Bekal, Terry L Niblack, Kris N Lambert.

Mol. Plant-Microbe Interactions. St. Paul: May 2003. Vol. 16, Iss. 5; p. 439

A novel soybean germplasm with elevated saturated fatty acids/Shaiikh M Rahman, Toyoaki Anai, Takehito Kinoshita, Yutaka Takagi.

Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 527

A single irrigation to improve early maturing soybean yield and quality/Daniel W Sweeney, James H Long, M B Kirkham.

Soil Science Society of America Journal. Madison: Jan/Feb 2003. Vol. 67, Iss. 1; p. 235 (6 pages)

A soybean peptide isolate diet promotes postprandial carbohydrate oxidation and energy expenditure in type II diabetic mice/Kengo Ishihara, Shinichi Oyaizu, Yoshiko Fukuchi, Wataru Mizunoya, et al.

The Journal of Nutrition. Bethesda: Mar 2003. Vol. 133, Iss. 3; p. 752

A strategy for selecting diverse accessions using Principal Component Analysis from a large germplasm collection of soybean/R L Sapro, S K Lal.

Plant Genetic Resources. Cambridge: Aug 2003. Vol. 1, Iss. 2-3; p. 15

The addition of soybean phosphatidylcholine to triglyceride increases suppressive effects on food intake and gastric emptying in rats/Megumi Nishimukai, Hiroshi Hara, Yorataka Aoyama.

The Journal of Nutrition. Bethesda: May 2003. Vol. 133, Iss. 5; p. 1255

Additional sources of soybean germplasm resistant to two species of root-knot nematode/Donna K Harris, H Roger Boerma, Richard S Hussey, Steven L Finnerty.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1848

An evaluation of crop forecast accuracy for corn and soybeans: USDA and private information agencies/Thorsten M Egelkraut, Philip Garcia, Scott H Irwin, Darrel L Good.

Journal of Agricultural and Applied Economics. Athens: Apr 2003. Vol. 35, Iss. 1; p. 79

Analysis of the alternative oxidase promoters from soybean1/David Thirkettle-Watts, Tulene C McCabe, Rachel Clifton, Carolyn Moore, et al.

Plant Physiology. Rockville: Nov 2003. Vol. 133, Iss. 3; p. 1158

The anticarcinogenic potential of soybean lectin and lunasin/Elvira Gonzalez de Mejia, Traliece Bradford, Clare Hasler.

Nutrition Reviews. Washington: Jul 2003. Vol. 61, Iss. 7; p. 239

Auxin-activated NADH oxidase activity of soybean plasma membranes in district from the constitutive plasma membrane NADH oxidase and exhibits prion-like properties/D James Morre, Dorothy M Morre, Philipp Ternes.

In Vitro Cel. & Dev. Biology. Columbia: Jul/Aug 2003. Vol. 39, Iss. 4; p. 368

Bayesian logistic regression of soybean sclerotinia stem rot prevalence in the U.S. North-Central region: Accounting for uncertainty in parameter estimation/A L Mila, X B Yang, A L Carriquiry.

St. Paul: Jun 2003. Vol. 93, Iss. 6; p. 758

Both promoters and inhibitors affected flowering time in grafted soybean flowering-time isolines/Elroy R Cober, Daniel F Curtis.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 886

Broadcast and deep-band placement of phosphorus and potassium for soybean managed with ridge tillage/Rogério Borges, Antonio P Mallarino.

Soil Science Society of America Journal. Madison: Nov/Dec 2003. Vol. 67, Iss. 6; p. 1920

Challenges in comparing transgenic and nontransgenic soybean cultivars/Paul L Raymer, Timothy L Grey.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1584

Changes in mitochondrial electron partitioning in response to herbicides inhibiting branched-chain amino acid biosynthesis in soybean/Susana Gaston, Miquel Ribas-Carbo, Silvia Busquets, Joseph A Berry, et al.

Plant Physiology. Rockville: Nov 2003. Vol. 133, Iss. 3; p. 1351

Characterization of the small subgenomic RNA of Soybean dwarf virus/N. Yamagishi, H. Terauchi, S. Kanematsu, S. Hidaka.

Archives of Virology. New York: Sep 2003. Vol. 148, Iss. 9; p. 1827

Construction and characterization of a soybean yeast artificial chromosome library and identification of clones for the Rps6 region/Dipak K. Santra, Devinder Sandhu, Thomas Tai, Madan K. Bhattacharyya.

Functional & Integrative Genomics. Heidelberg: Dec 2003. Vol. 3, Iss. 4; p. 153

Chitosan and chitin oligomers increase phenylalanine ammonia-lyase and tyrosine ammonia-lyase activities in soybean leaves/Wajahatullah Khan, Balakrishnan Prithiviraj, Donald L Smith.

Journal of Plant Physiology. Stuttgart: Aug 2003. Vol. 160, Iss. 8; p. 859

Comparison of peanut meal and soybean meal as protein supplements for laying hens/ G M Pesti, R I Bakalli, J P Driver, K G Sterling, et al.

Poultry Science. Savoy: Aug 2003. Vol. 82, Iss. 8; p. 1274 (7 pages)

Carbon dioxide and temperature effects on evapotranspiration and water use efficiency of soybean/L H Allen Jr, Deyun Pan, K J Boote, N B Pickering, J W Jones.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 1071

Corn and soybean response to rotation sequence, row spacing, and tillage system/Palle Pedersen, Joseph G Lauer.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 965

Corn-soybean rotation effects on nitrate leaching/Y Zhu, R H Fox.
Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 1028

Clustering of microarray data reveals transcript patterns associated with somatic embryogenesis in soybean1[w]/Francoise Thibaud-Nissen, Robin T Shealy, Anupama Khanna, Lila O Vodkin.
Plant Physiology. Rockville: May 2003. Vol. 132, Iss. 1; p. 118

Carbon-13 discrimination can be used to evaluate soybean yield variability/D E Clay, S A Clay, J Jackson, K Dalsted, et al
Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 430 (6 pages)

Conformation of a group 2 late embryogenesis abundant protein from soybean. Evidence of poly (L-proline)-type II structure/Jose L Soulages, Kangmin Kim, Estela L Arrese, Christina Walters, John C Cushman. *Plant Physiology. Rockville: Mar 2003. Vol. 131, Iss. 3; p. 963 (13 pages)*

Consumer perception of risk associated with eating genetically engineered soybeans is less in the presence of a perceived consumer benefit/J Lynne Brown, Yanchao Ping.
American Dietetic Association. Journal of the American Dietetic Association. Chicago: Feb 2003. Vol. 103, Iss. 2; p. 208 (7 pages)

Determination of true digestive utilization of phosphorus and the endogenous phosphorus outputs associated with soybean meal for growing pigs1/A Ajakaiye, M Z Fan, T Archbold, R R Hacker, et al.
Journal of Animal Science. Savoy: Nov 2003. Vol. 81, Iss. 11; p. 2766

Distribution of leaf-feeding beetles and Bean pod mottle virus (BPMV) in Illinois and transmission of BPMV in soybean/T R Mabry, H A Hobbs, T A Steinlage, B B Johnson, et al.
Plant Disease. St. Paul: Oct 2003. Vol. 87, Iss. 10; p. 1221

Determining whether transgenic and endogenous plant DNA and transgenic protein are detectable in muscle from swine fed Roundup Ready soybean meal1,2,3/J C Jennings, D C Kolwyck, S B Kays, A J Whetsell, et al.
Journal of Animal Science. Savoy: Jun 2003. Vol. 81, Iss. 6; p. 1447

Deteriorative changes of maize, groundnut and soybean seeds by fungi in storage/Kashinath Bhattacharya, Subrata Raha.

Mycopathologia. Dordrecht: Apr 2003. Vol. 155, Iss. 3; p. 135

Double-crop soybean leaf area and yield responses to mid-atlantic soils and cropping systems/Brian P Jones, David L Holshouser, Marcus M Alley, Jon K F Roygard, Christine M Anderson-Cook.

Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 436

Economics of Processing of Soybean in Sehore District of Madhya Pradesh/K N S Banafar.

Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2003. Vol. 58, Iss. 3; p. 610 (1 page)

Effects of enzyme combinations on apparent metabolizable energy of corn-soybean meal-based diets in broilers/A Kocher, M Choct, G Ross, J Broz, T K Chung.

Journal of Applied Poultry Research. Savoy: Fall 2003. Vol. 12, Iss. 3; p. 275

The effect of grafting on the flowering of near-isogenic lines of soybean/Tomasz Przepiorowski, Steven K St Martin.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1760

Effects of Proliferation, maturation, and desiccation methods on conversion of soybean somatic embryos/Hangsik Moon, David F Hildebrand.

In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2003. Vol. 39, Iss. 6; p. 623

Effects of soybean meal particle size on growth performance of nursery pigs1/K R Lawrence, C W Hastad, R D Goodband, M D Tokach, et al.

Journal of Animal Science. Savoy: Sep 2003. Vol. 81, Iss. 9; p. 2118

Effects of the GM Controversy on Iowa Corn-Soybean Farmers' Acreage Allocation Decisions/Corinne Alexander, Jorge Fernandez-Cornejo, Rachael E Goodhue.

Journal of Agricultural and Resource Economics. Logan: Dec 2003. Vol. 28, Iss. 3; p. 580 (16 pages)

The effect of supplementing microbial phytase and organic acids to a corn-soybean based diet fed to early-weaned pigs¹/F O Omogbenigun, C M Nyachoti, B A Slominski.

Journal of Animal Science. Savoy: Jul 2003. Vol. 81, Iss. 7; p. 1806

Elevated temperature and carbon dioxide effects on soybean seed composition and transcript abundance/J M G Thomas, K J Boote, L H Allen Jr, M Gallo-Meagher, J M Davis.

Crop Science. Madison: Jul/Aug 2003. Vol. 43, Iss. 4; p. 1548

Emerging Problems of Soybean Processing in Indore District of Madhya Pradesh/S K Gupta, A M Mishra.

Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2003. Vol. 58, Iss. 3; p. 618 (1 page)

Enhanced soybean plant growth resulting from coinoculation of bacillus strains with bradyrhizobium japonicum/Yuming Bai, Xiaomin Zhou, Donald L Smith.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1774

Evaluation of a QTL for waterlogging tolerance in southern soybean germplasm/N Reyna, B Cornelious, J G Shannon, C H Sneller.

Crop Science. Madison: Nov/Dec 2003. Vol. 43, Iss. 6; p. 2077

Evaluation of Resistance Screening Methods for Sclerotinia Stem Rot of Soybean and Dry Bean/Linda S Kull, Tri D Vuong, Kris S Powers, Kent M Eskridge, et al.

Plant Disease. St. Paul: Dec 2003. Vol. 87, Iss. 12; p. 1471

Evaluating processing temperature and feeding value of extruded-expelled soybean meal on nursery and finishing pig growth performance^{1,2}/M J Webster, R D Goodband, M D Tokach, J L Nelssen, et al.

Journal of Animal Science. Savoy: Aug 2003. Vol. 81, Iss. 8; p. 2032

First Report of Hypocotyl and Root Rot Disease Caused by Pythium deliense on Soybean Sprouts in Korea/ S-C Yun, J-W Kim.

Plant Disease. St. Paul: Nov 2003. Vol. 87, Iss. 11; p. 1399

G7H, a new Soybean mosaic virus strain: Its virulence and nucleotide sequence of CI gene/Yul-Ho Kim, Ok-Sun Kim, Bong-Choon Lee, Jung-Kyung Moon, et al.

Plant Disease. St. Paul: Nov 2003. Vol. 87, Iss. 11; p. 1372

Genetic diversity of soybean cultivars from China, Japan, North America, and North American ancestral lines determined by amplified fragment length polymorphism/George N Ude, William J Kenworthy, Jose M Costa, Perry B Cregan, Jennie Alvernaz.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1858

Genetic and physical localization of the soybean Rpg1-b disease resistance gene reveals a complex locus containing several tightly linked families of NBS-LRR genes/Tom Ashfield, Anna Bocian, Dan Held, Adam D Henk, et al.

Molecular Plant-Microbe Interactions. St. Paul: Sep 2003. Vol. 16, Iss. 9; p. 817

Purification of glysojanin, an antifungal protein, from the black soybean *Glycine soja*/Patrick H K Ngai, T B Ng.

Biochemistry and Cell Biology. Ottawa: Dec 2003. Vol. 81, Iss. 6; p. 387 (8p)

Construction and characterization of a soybean yeast artificial chromosome library and identification of clones for the Rps6 region/Dipak K. Santra, Devinder Sandhu, Thomas Tai, Madan K. Bhattacharyya.

Functional & Integrative Genomics. : Dec 2003. Vol. 3, Iss. 4; p. 153

Simple sequence repeat (SSR) markers linked to E1, E3, E4, and E7 maturity genes in soybean/Stephen J Molnar, Satish Rai, Martin Charette, Elroy R Cober.

Genome. Ottawa: Dec 2003. Vol. 46, Iss. 6; p. 1024

Effects of the GM Controversy on Iowa Corn-Soybean Farmers' Acreage Allocation Decisions/Corinne Alexander, Jorge Fernandez-Cornejo, Rachael E Goodhue.

Journal of Agricultural and Resource Economics. Logan: Dec 2003. Vol. 28, Iss. 3; p. 580 (16 pages)

The N-terminal Region of the Readthrough Domain Is Closely Related to Aphid Vector Specificity of Soybean dwarf virus/*Hidetaka Terauchi, Ken-ichiro Honda, Noriko Yamagishi, Seiji Kanematsu, et al.*
Phytopathology. St. Paul: Dec 2003. Vol. 93, Iss. 12; p. 1560

Evaluation of Resistance Screening Methods for Sclerotinia Stem Rot of Soybean and Dry Bean/*Linda S Kull, Tri D Vuong, Kris S Powers, Kent M Eskridge, et al.*
Plant Disease. St. Paul: Dec 2003. Vol. 87, Iss. 12; p. 1471

Supplementation of a Corn-Soybean Meal Diet with Manganese, Copper, and Zinc from Organic or Inorganic Sources Improves Eggshell Quality in Aged Laying Hens/*I Mabe, C Rapp, M M Bain, Y Nys.*
Poultry Science. Savoy: Dec 2003. Vol. 82, Iss. 12; p. 1903

Iron Deficiency of Soybean in the Upper Midwest and Associated Soil Properties/*N C Hansen, M A Schmitt, J E Anderson, J S Strock.*
Agronomy Journal. Madison: Nov/Dec 2003. Vol. 95, Iss. 6; p. 1595

Evaluation of a QTL for waterlogging tolerance in southern soybean germplasm/*N Reyna, B Cornelious, J G Shannon, C H Sneller.*
Crop Science. Madison: Nov/Dec 2003. Vol. 43, Iss. 6; p. 2077

Increased soybean pubescence density: Yield and Soybean mosaic virus resistance effects/*Todd W Pfeiffer, Rebecca Peyyala, Quanxing Ren, Said A Ghabrial.*
Crop Science. Madison: Nov/Dec 2003. Vol. 43, Iss. 6; p. 2071

Registration of 'Santee' soybean/*E R Shipe, J D Mueller, S A Lewis, P F Williams Jr, R K Stephens.*
Crop Science. Madison: Nov/Dec 2003. Vol. 43, Iss. 6; p. 2305

Short periods of water stress during seed filling, leaf senescence, and yield of soybean/*R E Brevedan, D B Egli.*
Crop Science. Madison: Nov/Dec 2003. Vol. 43, Iss. 6; p. 2083

The Pd2 and Lf2 loci define soybean linkage group 16/Thomas E Devine.
Crop Science. Madison: Nov/Dec 2003. Vol. 43, Iss. 6; p. 2028

Effects of Proliferation, maturation, and desiccation methods on conversion of soybean somatic embryos/Hangsik Moon, David F Hildebrand.
In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2003. Vol. 39, Iss. 6; p. 623

Determination of true digestive utilization of phosphorus and the endogenous phosphorus outputs associated with soybean meal for growing pigs1/A Ajakaiye, M Z Fan, T Archbold, R R Hacker, et al.
Journal of Animal Science. Savoy: Nov 2003. Vol. 81, Iss. 11; p. 2766

First Report of Hypocotyl and Root Rot Disease Caused by Pythium deliense on Soybean Sprouts in Korea/ S-C Yun, J-W Kim.
Plant Disease. St. Paul: Nov 2003. Vol. 87, Iss. 11; p. 1399

G7H, a new Soybean mosaic virus strain: Its virulence and nucleotide sequence of CI gene/Yul-Ho Kim, Ok-Sun Kim, Bong-Choon Lee, Jung-Kyung Moon, et al.
Plant Disease. St. Paul: Nov 2003. Vol. 87, Iss. 11; p. 1372

Occurrence of seed coat mottling in soybean plants inoculated with Bean pod mottle virus and Soybean mosaic virus/H A Hobbs, G L Hartman, Y Wang, C B Hill, et al.
Plant Disease. St. Paul: Nov 2003. Vol. 87, Iss. 11; p. 1333

Analysis of the alternative oxidase promoters from soybean1/David Thirkettle-Watts, Tulene C McCabe, Rachel Clifton, Carolyn Moore, et al.
Plant Physiology. Rockville: Nov 2003. Vol. 133, Iss. 3; p. 1158

Changes in mitochondrial electron partitioning in response to herbicides inhibiting branched-chain amino acid biosynthesis in soybean1/Susana Gaston, Miquel Ribas-Carbo, Silvia Busquets, Joseph A Berry, et al.
Plant Physiology. Rockville: Nov 2003. Vol. 133, Iss. 3; p. 1351

Broadcast and deep-band placement of phosphorus and potassium for soybean managed with ridge tillage/Rogério Borges, Antonio P Mallarino.
Soil Science Society of America Journal. Madison: Nov/Dec 2003. Vol. 67, Iss. 6; p. 1920

Variability and transmission by Aphis glycines of North American and Asian Soybean mosaic virus isolates/L. L. Domier, I. J. Latorre, T. A. Steinlage, N. McCoppin, G. L. Hartman.
Archives of Virology. New York: Oct 2003. Vol. 148, Iss. 10; p. 1925

Effects of enzyme combinations on apparent metabolizable energy of corn-soybean meal-based diets in broilers/A Kocher, M Choct, G Ross, J Broz, T K Chung.
Journal of Applied Poultry Research. Savoy: Fall 2003. Vol. 12, Iss. 3; p. 275

Distribution of leaf-feeding beetles and Bean pod mottle virus (BPMV) in Illinois and transmission of BPMV in soybean/T R Mabry, H A Hobbs, T A Steinlage, B B Johnson, et al.
Plant Disease. St. Paul: Oct 2003. Vol. 87, Iss. 10; p. 1221

Parameters for predicting giant foxtail cohort effect on soybean yield loss/Shawn P Conley, Larry K Binning, Chris M Boerboom, David E Stoltenberg.
Agronomy Journal. Madison: Sep/Oct 2003. Vol. 95, Iss. 5; p. 1226

Reduction of high soil test phosphorus by corn and soybean varieties/Bahman Eghball, John F Shanahan, Gary E Varvel, John E Gilley.
Agronomy Journal. Madison: Sep/Oct 2003. Vol. 95, Iss. 5; p. 1233

Roundup ready soybean: Glyphosate effects on Fusarium solani root colonization and sudden death syndrome/Victor N Njiti, Oval Myers Jr, Daniel Schroeder, David A Lightfoot.
Agronomy Journal. Madison: Sep/Oct 2003. Vol. 95, Iss. 5; p. 1140

Soybean agronomic response to management systems in the upper Midwest/Palle Pedersen, Joseph G Lauer.
Agronomy Journal. Madison: Sep/Oct 2003. Vol. 95, Iss. 5; p. 1146

Soybean development and yield as affected by three postemergence herbicides/Bryan G Young, Julie M Young, Joseph L Matthews, Micheal D K Owen, et al.

Agronomy Journal. Madison: Sep/Oct 2003. Vol. 95, Iss. 5; p. 1152

Soybean nitrogen contribution to corn and sorghum in western Corn Belt rotations/G E Varvel, W W Wilhelm.

Agronomy Journal. Madison: Sep/Oct 2003. Vol. 95, Iss. 5; p. 1220

Use of olive oil based emulsions as an alternative to soybean oil based emulsions in total parenteral nutrition and their effects on liver regeneration following hepatic resection in rats/Engin Ok, Zeki Yilmaz, Inci Karakucuk, Hulya Akgun, Habibe Sahin.

Annals of Nutrition & Metabolism. Basel: Sep/Oct 2003. Vol. 47, Iss. 5; p. 221

Characterization of the small subgenomic RNA of Soybean dwarf virus/N. Yamagishi, H. Terauchi, S. Kanematsu, S. Hidaka.

Archives of Virology. New York: Sep 2003. Vol. 148, Iss. 9; p. 1827

Additional sources of soybean germplasm resistant to two species of root-knot nematode/Donna K Harris, H Roger Boerma, Richard S Hussey, Steven L Finnerty.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1848

Challenges in comparing transgenic and nontransgenic soybean cultivars/Paul L Raymer, Timothy L Grey.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1584

Enhanced soybean plant growth resulting from coinoculation of bacillus strains with bradyrhizobium japonicum/Yuming Bai, Xiaomin Zhou, Donald L Smith.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1774

Genetic diversity of soybean cultivars from China, Japan, North America, and North American ancestral lines determined by amplified fragment length polymorphism/George N Ude, William J Kenworthy, Jose M Costa, Perry B Cregan, Jennie Alvernaz.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1858

Identification, mapping, and confirmation of a soybean gene for bud blight resistance/Vasilia A Fasoula, Donna K Harris, Matthew A Bailey, Daniel V Phillips, H Roger Boerma.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1754

Quantitative trait loci for partial resistance to *Phytophthora sojae* in soybean/K D Burnham, A E Dorrance, T T Van Toai, S K St Martin.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1610

Sulfur assimilation in soybean: Molecular cloning and characterization of O-acetylserine (Thiol) lyase (Cysteine synthase)/Demosthenis Chronis, Hari B Krishnan.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1819

The effect of grafting on the flowering of near-isogenic lines of soybean/Tomasz Przepiorkowski, Steven K St Martin.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1760

Three microsomal omega-3 fatty-acid desaturase genes contribute to soybean linolenic acid levels/K D Bilyeu, L Palavalli, D A Sleper, P R Beuselinck.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1833

Translocation breakpoints in soybean classical genetic linkage groups 6 and 8/A Assibi Mahama, Reid G Palmer.

Crop Science. Madison: Sep/Oct 2003. Vol. 43, Iss. 5; p. 1602

Effects of soybean meal particle size on growth performance of nursery pigs1/K R Lawrence, C W Hastad, R D Goodband, M D Tokach, et al.

Journal of Animal Science. Savoy: Sep 2003. Vol. 81, Iss. 9; p. 2118

Nitrate losses in subsurface drainage from a corn-soybean rotation as affected by time of nitrogen application and use of nitrapyrin/G W Randall, J A Vetsch, J R Huffman.

Journal of Environmental Quality.: Sep/Oct 2003. Vol. 32, Iss. 5; p. 1764

Genetic and physical localization of the soybean Rpg1-b disease resistance gene reveals a complex locus containing several tightly linked families of NBS-LRR genes/Tom Ashfield, Anna Bocian, Dan Held, Adam D Henk, et al.

Molecular Plant-Microbe Interactions. St. Paul: Sep 2003. Vol. 16, Iss. 9; p. 817

Structural motifs in the RNA encoded by the early nodulation gene enod40 of soybean/Genevieve Girard, Andreas Roussis, Alexander P. Gulyaev, Cornelis W. A. Pleij, Herman P. Spaink.

Nucleic Acids Research. Oxford: Sep 01, 2003. Vol. 31, Iss. 17; p. 5003

Impact of Management Practices on Prevalence of Soybean Sclerotinia Stem Rot in the North-Central United States and on Farmers' Decisions Under Uncertainty/A L Mila, A L Carriquiry, J Zhao, X B Yang. *Plant Disease*. St. Paul: Sep 2003. Vol. 87, Iss. 9; p. 1048

A catalogue of molecular, physiological and symbiotic properties of soybean-nodulating rhizobial strains from different soybean cropping areas of China/J Thomas-Oates, J Bereszczak, E Edwards, A Gill, et al.

Systematic and Applied Microbiology. Stuttgart: Sep 2003. Vol. 26, Iss. 3; p. 453

Identification and use of actinomycetes for enhanced nodulation of soybean co-inoculated with Bradyrhizobium japonicum/A K Gregor, B Klubek, E C Varsa.

Canadian Journal of Microbiology. Ottawa: Aug 2003. Vol. 49, Iss. 8; p. 483

Soybean seed lustre phenotype and surface protein cosegregate and map to linkagegroupE/Mark Gijzen, Changren Weng, Kuflom Kuflu, Lorna Woodrow, et al.

Genome. Ottawa: Aug 2003. Vol. 46, Iss. 4; p. 659

Evaluating processing temperature and feeding value of extruded-expelled soybean meal on nursery and finishing pig growth performance^{1,2}/M J Webster, R D Goodband, M D Tokach, J L Nelssen, et al.

Journal of Animal Science. Savoy: Aug 2003. Vol. 81, Iss. 8; p. 2032

Chitosan and chitin oligomers increase phenylalanine ammonia-lyase and tyrosine ammonia-lyase activities in soybean leaves/Wajahatullah Khan, Balakrishnan Prithiviraj, Donald L Smith.

Journal of Plant Physiology. Stuttgart: Aug 2003. Vol. 160, Iss. 8; p. 859

Resistance to *Phialophora gregata* is expressed in the stems of resistant soybeans/G M Tabor, G L Tylka, S C Cianzio, C R Bronson.

Plant Disease. St. Paul: Aug 2003. Vol. 87, Iss. 8; p. 970

A strategy for selecting diverse accessions using Principal Component Analysis from a large germplasm collection of soybean/R L Sapra, S K Lal.

Plant Genetic Resources. Cambridge: Aug 2003. Vol. 1, Iss. 2-3; p. 151 (6 pages)

Interallelic complementation at the ubiquitous urease coding locus of soybean¹/Ariel Goldraij, Lesa J Beamer, Joe C Polacco.

Plant Physiology. Rockville: Aug 2003. Vol. 132, Iss. 4; p. 1801

Comparison of peanut meal and soybean meal as protein supplements for laying hens/ G M Pesti, R I Bakalli, J P Driver, K G Sterling, et al.

Poultry Science. Savoy: Aug 2003. Vol. 82, Iss. 8; p. 1274 (7 pages)

Utilization of mature low-quality grass hay by lambs and steers supplemented with soybean meal products/D W Sanson, S I Paisley, R J Gaebe.

Professional Animal Scientist. Champaign: Aug 2003. Vol. 19, Iss. 4; p. 290

The soybean [beta]-conglycinin [beta] 51-63 fragment suppresses appetite by stimulating cholecystokinin release in rats¹/Takashi Nishi, Hiroshi Hara, Kozo Asano, Fusao Tomita.

The Journal of Nutrition. Bethesda: Aug 2003. Vol. 133, Iss. 8; p. 2537

Carbon dioxide and temperature effects on evapotranspiration and water use efficiency of soybean/L H Allen Jr, Deyun Pan, K J Boote, N B Pickering, J W Jones.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 1071

Corn and soybean response to rotation sequence, row spacing, and tillage system/Palle Pedersen, Joseph G Lauer.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 965

Corn-soybean rotation effects on nitrate leaching/Y Zhu, R H Fox.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 1028

Geostatistical analysis of field spatial distribution patterns of soybean cyst nematode/Felicitas Avendano, Oliver Schabenberger, Francis J Pierce, Haddish Melakeberhan.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 936

Soybean yield potential and phenology in the ultra-short-season production system/Tetsuaki Ishibashi, Clay H Sneller, Grover Shannon.

Agronomy Journal. Madison: Jul/Aug 2003. Vol. 95, Iss. 4; p. 1082

Elevated temperature and carbon dioxide effects on soybean seed composition and transcript abundance/J M G Thomas, K J Boote, L H Allen Jr, M Gallo-Meagher, J M Davis.

Crop Science. Madison: Jul/Aug 2003. Vol. 43, Iss. 4; p. 1548

Registration of 'Nannonatto' soybean/T C Helms. *Crop Science. Madison: Jul/Aug 2003. Vol. 43, Iss. 4; p. 1564*

Registration of 'Nornatto' soybean/T C Helms.

Crop Science. Madison: Jul/Aug 2003. Vol. 43, Iss. 4; p. 1563

Registration of 'Apex' soybean/R L Cooper, T Mendiola, S K St Martin, R J Fioritto, A E Dorrance.

Crop Science. Madison: Jul/Aug 2003. Vol. 43, Iss. 4; p. 1563

Seed source effect on field emergence of soybean lines with reduced phytate and raffinose saccharides/Shane J Meis, Walter R Fehr, Steven R Schnebly.
Crop Science. Madison: Jul/Aug 2003. Vol. 43, Iss. 4; p. 1336

Economics of Processing of Soybean in Sehore District of Madhya Pradesh/K N S Banafar.
Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2003. Vol. 58, Iss. 3; p. 610 (1 page) 625.

Emerging Problems of Soybean Processing in Indore District of Madhya Pradesh/S K Gupta, A M Mishra.
Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2003. Vol. 58, Iss. 3; p. 618 (1 page)

Impact of Liberal Imports and Low Tariff on Edible Oil Sector in the Country: A Study of Rapeseed-Mustard, Soybean and Palm Oil/D S Bhupal.
Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2003. Vol. 58, Iss. 3; p. 394 (1 page)

Auxin-activated NADH oxidase activity of soybean plasma membranes in district from the constitutive plasma membrane NADH oxidase and exhibits prion-like properties/D James Morre, Dorothy M Morre, Philipp Ternes.
In Vitro Cellular & Developmental Biology. Columbia: Jul/Aug 2003. Vol. 39, Iss. 4; p. 368

The effect of supplementing microbial phytase and organic acids to a corn-soybean based diet fed to early-weaned pigs1/F O Omogbenigun, C M Nyachoti, B A Slominski.
Journal of Animal Science. Savoy: Jul 2003. Vol. 81, Iss. 7; p. 1806

Suitability of a Dehydrated Poultry Mortality-Soybean Meal Product for Use in Broiler Chicken Diets/K M Downs, J B Hess, J P Blake, R A Norton, et al.
Journal of Applied Poultry Research. Savoy: Summer 2003. Vol. 12, Iss. 2; p. 222

The Fate of Genetically Modified Protein from Roundup Ready Soybeans in Laying Hens1/J Ash, C Novak, S E Scheideler.

Journal of Applied Poultry Research. Savoy: 2003. Vol. 12, Iss. 2; p. 242

Extracellular proteins involved in soybean cultivar-specific nodulation are associated with pilus-like surface appendages and exported by a type III protein secretion system in *Sinorhizobium fredii* USDA257/Hari B Krishnan, Julio Lorio, Won Seok Kim, Guoqiao Jiang, et al.

Molecular Plant-Microbe Interactions. : Jul 2003. Vol. 16, Iss. 7; p. 617

The anticarcinogenic potential of soybean lectin and lunasin/Elvira Gonzalez de Mejia, Traliece Bradford, Clare Hasler.

Nutrition Reviews. Washington: Jul 2003. Vol. 61, Iss. 7; p. 239

Response of commercially developed soybean cultivars and the ancestral soybean lines to *Fusarium solani* f. sp. *glycines*/D S Mueller, R L Nelson, G L Hartman, W L Pedersen.

Plant Disease. St. Paul: Jul 2003. Vol. 87, Iss. 7; p. 827

Variability of selected soil properties and their relationships with soybean yield/M S Cox, P D Gerard, M C Wardlaw, M J Abshire.

Soil Science Society of America Journal. Madison: Jul/Aug 2003. Vol. 67, Iss. 4; p. 1296

Subcellular localization of soybean 7S globulin in HepG2 cells and LDL receptor up-regulation by its [alpha]' constituent subunit1/Cristina Manzoni, Marcello Duranti, Ivano Eberini, Hubert Scharnag, et al.

The Journal of Nutrition. Bethesda: Jul 2003. Vol. 133, Iss. 7; p. 2149

Size-Dependent Growth and the Development Of Inequality in Maize, Sunflower and Soybean/C. R. C. VEGA, V. O. SADRAS.

Annals of Botany. Oxford: Jun 2003. Vol. 91, Iss. 7; p. 795

Cross-species amplification from crop soybean *Glycine max* provides informative microsatellite markers for the study of inbreeding wild relatives/K Hempel, R Peakall.

Genome. Ottawa: Jun 2003. Vol. 46, Iss. 3; p. 382

Determining whether transgenic and endogenous plant DNA and transgenic protein are detectable in muscle from swine fed Roundup Ready soybean meal^{1,2,3}/J C Jennings, D C Kolwyck, S B Kays, A J Whetsell, et al.
Journal of Animal Science. Savoy: Jun 2003. Vol. 81, Iss. 6; p. 1447

Roundup ready soybean seed arbitration in Arkansas: A case study/C R Meek, D E Longer, L C Purcell.
NACTA Journal. Twin Falls: Jun 2003. Vol. 47, Iss. 2; p. 42

Bayesian logistic regression of soybean sclerotinia stem rot prevalence in the U.S. North-Central region: Accounting for uncertainty in parameter estimation/A L Mila, X B Yang, A L Carriquiry.
St. Paul: Jun 2003. Vol. 93, Iss. 6; p. 758

Heterodera glycines infection increases incidence and severity of brown stem rot in both resistant and susceptible soybean/G M Tabor, G L Tylka, J E Behm, C R Bronson.
Plant Disease. St. Paul: Jun 2003. Vol. 87, Iss. 6; p. 655

Response of Soybean Sudden Death Syndrome to Subsoil Tillage/C M Vick, S K Chong, J P Bond, J S Russin.
Plant Disease. St. Paul: Jun 2003. Vol. 87, Iss. 6; p. 629

Soybean cyst nematode reduces soybean yield without causing obvious aboveground symptoms/J Wang, T L Niblack, J A Tremain, W J Wiebold, et al.
Plant Disease. St. Paul: Jun 2003. Vol. 87, Iss. 6; p. 623

Economic analysis of row spacing for corn and soybean/Dayton M Lambert, Jess Lowenberg-DeBoer.
Agronomy Journal. Madison: May/Jun 2003. Vol. 95, Iss. 3; p. 564

Evaluating CROPGRO-soybean performance for use in climate impact studies/Gregory J Carbone, Linda O Mearns, Theodoros Mavromatis, E John Sadler, David Stooksbury.
Agronomy Journal. Madison: May/Jun 2003. Vol. 95, Iss. 3; p. 537

Both promoters and inhibitors affected flowering time in grafted soybean flowering-time isolines/Elroy R Cober, Daniel F Curtis.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 886

Registration of 'CIGRAS-06' soybean/E Villalobos, F Camacho.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1122

Registration of 'N7001' soybean/T E Carter Jr, J W Burton, D T Bowman, Z Cui, et al.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1126

Registration of 'Catoosa' soybean/L Farno, K R Keim, L H Edwards.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1124

Registration of 'CIGRAS-51' soybean/F Camacho, E Villalobos.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1122

Registration of 'Washita' soybean/L Farno, K R Keim, L H Edwards.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1125

Registration of '5601T' soybean/V R Pantalone, F L Allen, D Landau-Ellis.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1123

Registration of 'N7101' soybean/T E Carter Jr, J W Burton, X Zhou, Z Cui,

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1127

Registration of 'N6201' soybean/T E Carter Jr, J W Burton, Zhanglin Cui, Xingliang Zhou, et al.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1125

Registration of 'N7103' soybean/T E Carter Jr, J W Burton, M R Villagarcia, Z Cui, et al.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1128

Registration of 'N7102' soybean/T E Carter Jr, J W Burton, X Zhou, Z Cui, et al.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1128

Registration of TN93-99 soybean germplasm/V R Pantalone, F L Allen, D Landau-Ellis

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1137

Registration of DT98-2448 soybean germplasm resistant to defoliating insect damage/C A Abel, J M Tyler.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1136

The seed protein, oil, and yield QTL on soybean linkage group I/J Chung, H L Babka, G L Graef, P E Staswick, et al.

Crop Science. Madison: May/Jun 2003. Vol. 43, Iss. 3; p. 1053

Photosynthetic responses of corn and soybean to foliar application of salicylates/Wajahatullah Khan, Balakrishnan Prithiviraj, Donald L Smith.

Journal of Plant Physiology. Stuttgart: May 2003. Vol. 160, Iss. 5; p. 485

A chorismate mutase from the soybean cyst nematode *Heterodera glycines* shows polymorphisms that correlate with virulence/Sadia Bekal, Terry L Niblack, Kris N Lambert.

Molecular Plant-Microbe Interactions. St. Paul: May 2003. Vol. 16, Iss. 5; p. 439

Planting date and cultivar effects on soybean yield, seed quality, and *Phomopsis* sp. seed infection/J A Wrather, D A Sleper, W E Stevens, J G Shannon, R F Wilson.

Plant Disease. St. Paul: May 2003. Vol. 87, Iss. 5; p. 529

Relative longevity of *Macrophomina phaseolina* and associated mycobiota on residual soybean roots in soil/Richard E Baird, Clarence E Watson, Mary Scruggs.

Plant Disease. St. Paul: May 2003. Vol. 87, Iss. 5; p. 563

Temperature, moisture, and seed treatment effects on *Rhizoctonia solani* root rot of soybean/A E Dorrance, M D Kleinhenz, S A McClure, N T Tuttle.

Plant Disease. St. Paul: May 2003. Vol. 87, Iss. 5; p. 533

Clustering of microarray data reveals transcript patterns associated with somatic embryogenesis in soybean1[w]/Francoise Thibaud-Nissen, Robin T Shealy, Anupama Khanna, Lila O Vodkin.

Plant Physiology. Rockville: May 2003. Vol. 132, Iss. 1; p. 118

Genetic modification removes an immunodominant allergen from soybean1[w]/Eliot M Herman, Ricki M Helm, Rudolf Jung, Anthony J Kinney.

Plant Physiology. Rockville: May 2003. Vol. 132, Iss. 1; p. 36

The addition of soybean phosphatidylcholine to triglyceride increases suppressive effects on food intake and gastric emptying in rats/Megumi Nishimukai, Hiroshi Hara, Yorataka Aoyama.

The Journal of Nutrition. Bethesda: May 2003. Vol. 133, Iss. 5; p. 1255

An evaluation of crop forecast accuracy for corn and soybeans: USDA and private information agencies/Thorsten M Egelkraut, Philip Garcia, Scott H Irwin, Darrel L Good.

Journal of Agricultural and Applied Economics. Athens: Apr 2003. Vol. 35, Iss. 1; p. 79

Deteriorative changes of maize, groundnut and soybean seeds by fungi in storage/Kashinath Bhattacharya, Subrata Raha.

Mycopathologia. Dordrecht: Apr 2003. Vol. 155, Iss. 3; p. 135

Phosphorylation of soybean nodulin 26 on serine 262 enhances water permeability and is regulated developmentally and by osmotic signals/James F Guenther, Nouth Chanmanivone, Manker P Galetovic, Ian S Wallace, et al.

Plant Cell. Rockville: Apr 2003. Vol. 15, Iss. 4; p. 981

Soybean seedcoat mottling: Association with Soybean mosaic virus and Phomopsis spp. seed infection/G Koning, D M TeKrony, S A Ghabrial.

Plant Disease. St. Paul: Apr 2003. Vol. 87, Iss. 4; p. 413 (5 pages)

Ingestion of water-soluble soybean fiber prevents gastrectomy-induced iron malabsorption, anemia and impairment of voluntary running exercise

performance in rats/Kazuki Shiga, Hiroshi Hara, Goroh Okano, Yoritaka Aoyama.

The Journal of Nutrition. Bethesda: Apr 2003. Vol. 133, Iss. 4; p. 1120 (7 pages)

Carbon-13 discrimination can be used to evaluate soybean yield variability/D E Clay, S A Clay, J Jackson, K Dalsted, et al

Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 430 (6 pages)

Double-crop soybean leaf area and yield responses to mid-atlantic soils and cropping systems/Brian P Jones, David L Holshouser, Marcus M Alley, Jon K F Roygard, Christine M Anderson-Cook.

Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 436 (10)

Influence of early-season nitrogen and weed management on irrigated and nonirrigated glyphosate-resistant and susceptible soybean/Larry G Heatherly, Stan R Spurlock, Krishna N Reddy.

Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 446 (8 pages)

Seeding and nitrogen rates required to optimize winter wheat yields following gran sorghum and soybean/S A Staggenborg, D A Whitney, D L Fjell, J P Shroyer.

Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 253 (7 pages)

Yield components as indirect selection criteria for late-planted soybean cultivars/J E Board, M S Kang, M L Bodrero.

Agronomy Journal. Madison: Mar/Apr 2003. Vol. 95, Iss. 2; p. 420 (10)

Responses of Soybean to Oxygen Deficiency and Elevated Root-zone Carbon Dioxide Concentration/G. BORU, T. VANTOAI, J. ALVES, D. HUA, M. KNEE.

Annals of Botany. Oxford: Mar 2003. Vol. 91, Iss. 4; p. 447

Effect of oil content and pH on the physicochemical properties of corn starch-soybean oil composites/G A Garzon, C S Gaines, A Mohamed, D E Palmquist.

Cereal Chemistry. St. Paul: Mar/Apr 2003. Vol. 80, Iss. 2; p. 154 (5 pages)

A novel soybean germplasm with elevated saturated fatty acids/Shaikh M Rahman, Toyooki Anai, Takehito Kinoshita, Yutaka Takagi.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 527

Genetics of seed abortion and reproductive traits in soybean/T Tischner, L Allphin, K Chase, J H Orf, K G Lark.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 464

Genotype and environment influence on protein components of soybean/Walter R Fehr, Joseph A Hoeck, Susan L Johnson, Patricia A Murphy, et al.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 511

Prediction of cultivar performance based on single- versus multiple-year tests in soybean/Weikai Yan, Istvan Rajcan.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 549

Registration of D96-1217 soybean germplasm line resistant to phytophthora rot and soybean cyst nematode races 3 and 14/T C Kilen, L D Young.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 740

Relationships between soybean seed cell wall polysaccharides, yield, and seed traits/S K Stombaugh, J H Orf, H G Jung, D A Somers.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 571

Ureide accumulation in response to Mn nutrition by eight soybean genotypes with N^{sub} 2[^] fixation tolerance to soil drying/T R Sinclair, V Vadez, K Chenu.
Crop Science. Madison: Mar/Apr 2003. Vol. 43, Iss. 2; p. 592

Effect of soybean meal particle size on amino acid and energy digestibility in grower-finisher swine^{1,2,3,4}/N D Fastinger, D C Mahan.
Journal of Animal Science. Savoy: Mar 2003. Vol. 81, Iss. 3; p. 697

Effect of partial resistance on phytophthora stem rot incidence and yield of soybean in Ohio/A E Dorrance, S A McClure, S K St Martin.
Plant Disease. St. Paul: Mar 2003. Vol. 87, Iss. 3; p. 308 (5 pages)

Conformation of a group 2 late embryogenesis abundant protein from soybean. Evidence of poly (L-proline)-type II structure/Jose L Soulages, Kangmin Kim, Estela L Arrese, Christina Walters, John C Cushman. *Plant Physiology. Rockville: Mar 2003. Vol. 131, Iss. 3; p. 963 (13 pages)*

Expression of an expansin gene is correlated with root elongation in soybean/Dong-Keun Lee, Ji Hoon Ahn, Sang-Kee Song, Yang Do Choi, Jong Seob Lee.

Plant Physiology. Rockville: Mar 2003. Vol. 131, Iss. 3; p. 985 (13 pages)

In vivo gas exchange measurement of the site and dynamics of nitrate reduction in soybean/Yan-Ping Cen, David B Layzell.

Plant Physiology. Rockville: Mar 2003. Vol. 131, Iss. 3; p. 1147 (10 pages)

A soybean peptide isolate diet promotes postprandial carbohydrate oxidation and energy expenditure in type II diabetic mice/Kengo Ishihara, Shinichi Oyaizu, Yoshiko Fukuchi, Wataru Mizunoya, et al.

The Journal of Nutrition. Bethesda: Mar 2003. Vol. 133, Iss. 3; p. 752 (6 pages)

Consumer perception of risk associated with eating genetically engineered soybeans is less in the presence of a perceived consumer benefit/J Lynne Brown, Yanchao Ping.

American Dietetic Association. Journal of the American Dietetic Association. Chicago: Feb 2003. Vol. 103, Iss. 2; p. 208 (7 pages)

Genetic identification of a female partial-sterile mutant in soybean/K K Kato, R G Palmer.

Genome. Ottawa: Feb 2003. Vol. 46, Iss. 1; p. 128 (7 pages)

Morphologic, molecular, and pathogenic characterization of *Diaporthe phaseolorum* variability in the core soybean-producing area of Argentina/Rosanna N Pioli, Eligio N Morandi, Maria C Martinez, Florencia Lucca, et al.

Phytopathology. St. Paul: Feb 2003. Vol. 93, Iss. 2; p. 136 (11 pages)

Evaluation of soybean resistance to sclerotinia stem rot using reciprocal grafting/T D Vuong, G L Hartman.

Plant Disease. St. Paul: Feb 2003. Vol. 87, Iss. 2; p. 154 (5 pages)

Pathogenic diversity of *Phytophthora sojae* in Ohio soybean fields/A E Dorrance, S A McClure, A deSilva.

Plant Disease. St. Paul: Feb 2003. Vol. 87, Iss. 2; p. 139 (8 pages)

Soybean (beta)-conglycinin peptone suppresses food intake and gastric emptying by increasing plasma cholecystokinin levels in rats/Takashi Nishi, Hiroshi Hara, Fusao Tomita.

The Journal of Nutrition. Bethesda: Feb 2003. Vol. 133, Iss. 2; p. 352 (6)

Soybeans may help iron-deficient women after all/Luis Pons.

Agricultural Research. Washington: Jan 2003. Vol. 51, Iss. 1; p. 17 (1 page)

Endomycorrhizal fungal survival in continuous corn, soybean, and fallow/Zahra I Troeh, Thomas E Loynachan.

Agronomy Journal. Madison: Jan/Feb 2003. Vol. 95, Iss. 1; p. 224 (7 pages)

Genetic coefficients in the CROPGRO--Soybean model: Links to field performance and genomics/K J Boote, J W Jones, W D Batchelor, E D Nafziger, O Myers.

Agronomy Journal. Madison: Jan/Feb 2003. Vol. 95, Iss. 1; p. 32 (20 pages)

Modeling genetic effects on the photothermal response of soybean phenological development/Douglas W Stewart, Elroy R Cober, Richard L Bernard.

Agronomy Journal. Madison: Jan/Feb 2003. Vol. 95, Iss. 1; p. 65 (6 pages)

Potassium placement effects on yield and seed composition of no-till soybean seeded in alternate row widths/Xinhua Yin, Tony J Vyn.

Agronomy Journal. Madison: Jan/Feb 2003. Vol. 95, Iss. 1; p. 126 (7 pages)

Identification of soybean cultivars that yield well at low plant/populations/Brian Rigsby, James E Board.

Crop Science. Madison: Jan/Feb 2003. Vol. 43, Iss. 1; p. 234 (6 pages)

Impact of transgenic genotypes and subdivision on diversity within elite North American soybean germplasm/Clay H Sneller.

Crop Science. Madison: Jan/Feb 2003. Vol. 43, Iss. 1; p. 409 (6 pages)

Mapping flowering time gene homologs in soybean and their association with maturity (E) loci/I M Tasma, R C Shoemaker.

Crop Science. Madison: Jan/Feb 2003. Vol. 43, Iss. 1; p. 319 (10 pages)

Molecular marker analysis of seed size in soybean/Joseph A Hoeck, Walter R Fehr, Randy C Shoemaker, Grace A Welke, et al.

Crop Science. Madison: Jan/Feb 2003. Vol. 43, Iss. 1; p. 68 (7 pages)

Partial resistance to white mold in a transgenic soybean line/Elroy R Cober, Sylvie Rioux, Istvan Rajcan, Pauline A Donaldson, Daina H Simmonds.

Crop Science. Madison: Jan/Feb 2003. Vol. 43, Iss. 1; p. 92 (4 pages)

Rps8, a new locus in soybean for resistance to *Phytophthora sojae*/K D Burnham, A E Dorrance, D M Francis, R J Fioritto, S K St Martin.

Crop Science. Madison: Jan/Feb 2003. Vol. 43, Iss. 1; p. 101 (5 pages)

The processing and acceptability of a fortified cassava-based product (gari) with soybean/S M Osho.

Nutrition and Food Science. Bradford: 2003. Vol. 33, Iss. 6; p. 278 (6 pages)

A single irrigation to improve early maturing soybean yield and quality/Daniel W Sweeney, James H Long, M B Kirkham.

Soil Science Society of America Journal. Madison: Jan/Feb 2003. Vol. 67, Iss. 1; p. 235 (6 pages)

SCIENCEDIRECT

Dosimetric measurement of the visible and UV exposures on field grown soybean plants/ A. V. Parisi, V. J. Galea, C. Randall.

Agricultural and Forest Meteorology, Volume 120, Issues 1-4, UV Radiation and its impacts on Agriculture and Forests, 24 December 2003, Pages 153-160.

Keywords : Ultraviolet; Dosimeters; Photosynthetically active radiation; Plants

Digital measurement of heliotropic leaf response in soybean cultivars and leaf exposure to solar UVB radiation/ Cheryl I. Bawhey, Richard H. Grant, Wei Gao.

Agricultural and Forest Meteorology, Volume 120, Issues 1-4, UV Radiation and its impacts on Agriculture and Forests, 24 December 2003, Pages 161-175.

Keywords : Soybean; UVB exposure; Leaf orientation; Radiation partition; Digital measurement

Effect of P fertilizer application on N balance of soybean crop in the guinea savanna of Nigeria/ I. J. Ogoke, R. J. Carsky, A. O. Togun, K. Dashiell.

Agriculture, Ecosystems & Environment, Volume 100, Issues 2-3, Balanced Nutrient Management Systems for cropping systems in the tropics: from concept to practice, December 2003, Pages 153-159.

Keywords : Soybean (*Glycine max* (L.) Merr.); Cropping system; N balance; Crop residue

Residual benefits of promiscuous soybean to maize (*Zea mays* L.) grown on farmers' fields around Minna in the southern Guinea savanna zone of Nigeria/ A. O. Osunde, A. Bala, M. S. Gwam, P. A. Tsado, N. Sanginga, J. A. Okogun.

Agriculture, Ecosystems & Environment, Volume 100, Issues 2-3, , Balanced Nutrient Management Systems for cropping systems in the tropics: from concept to practice, December 2003, Pages 209-220.

Keywords : Promiscuous soybean; Maturity class; Inoculation; N₂-fixation; N contribution

Soil N balance as affected by soybean maturity class in the Guinea savanna of Nigeria/ A. Singh, R. J. Carsky, E. O. Lucas, K. Dashiell.

Agriculture, Ecosystems & Environment, Volume 100, Issues 2-3, , Balanced Nutrient Management Systems for cropping systems in the tropics: from concept to practice, December 2003, Pages 231-240.

Keywords : N2 fixation; Nitrogen harvest index; N balance; Soybean (Glycine max (L.) Merrill); Guinea savanna; Nigeria

Response of cowpea and soybean to P and K on terre de barre soils in southern Benin/ R. J. Carsky.

Agriculture, Ecosystems & Environment, Volume 100, Issues 2-3, , Balanced Nutrient Management Systems for cropping systems in the tropics: from concept to practice, December 2003, Pages 241-249.

Keywords : Organic amendments; Cowpea; Soybean; Soil degradation; Farmer-managed trials

PREP-PAC: a nutrient replenishment product designed for smallholders in western Kenya/ Paul L. Woomer, J. Robert Okalebo, Henry K. Maritim, Pamela A. Obura, Francis M. Mwaura, Patrick Nekesa, Eusebius J. Mukhwana.

Agriculture, Ecosystems & Environment, Volume 100, Issues 2-3, , Balanced Nutrient Management Systems for cropping systems in the tropics: from concept to practice, December 2003, Pages 295-303.

Keywords : East Africa; Fertilizer; Integrated nutrient management; On-farm research; Rock phosphate; Soil fertility replenishment

Sustainable resource management coupled to resilient germplasm to provide new intensive cereal-grain-legume-livestock systems in the dry savanna/ N. Sanginga, K. E. Dashiell, J. Diels, B. Vanlauwe, O. Lyasse, R. J. Carsky, S. Tarawali, B. Asafo-Adjei, A. Menkir, S. Schulz, B. B. Singh, D. Chikoye, D. Keatinge, R. Ortiz.

Agriculture, Ecosystems & Environment, Volume 100, Issues 2-3, , Balanced Nutrient Management Systems for cropping systems in the tropics: from concept to practice, December 2003, Pages 305-314.

Keywords : Soybean; Maize; Cowpea; Natural resource management; Intensification

Essential oil yield in peppermint/soybean strip intercropping/ Massimo Maffei, Marco Mucciarelli

Field Crops Research, Volume 84, Issue 3, December 2003, Pages 229-240.

Keywords : Mentha piperita; Yield; Oil composition; Morphometry; Photosynthesis

Soil strength, cotton root growth and lint yield in a southeastern USA coastal loamy sand/ W. J. Busscher, P. J. Bauer

Soil and Tillage Research, Volume 74, Issue 2, December 2003, Pages 151-159.

Keywords : Compaction; Reduced tillage; Deep tillage; Subsoil hardpan; Loamy sand; Penetration resistance; Cover crop; Cotton

Generation and analysis of expressed sequence tags in white clover (*Trifolium repens* L.)/ Tim Sawbridge, Eng-Kok Ong, Charlotte Binnion, Michael Emmerling, Katrina Meath, Katrina Nunan, Matt O'Neill, Fiona O'Toole, Jason Simmonds, Katherine Wearne, Amanda Winkworth, German Spangenberg,

Plant Science, Volume 165, Issue 5, November 2003, Pages 1077-1087.

Keywords : Legumes; White clover (*Trifolium repens* L.); Expressed sequence tags (ESTs); Comparative genomics

Using mutant alleles to determine the structure and function of leucine-rich repeat receptor-like kinases/ Anne Dievart, Steven E Clark,

Current Opinion in Plant Biology, Volume 6, Issue 5, October 2003, Pages 507-516.

Molecular and structural analysis of electrophoretic variants of soybean seed storage proteins/ Nobuyuki Maruyama, Takako Fukuda, Shiori Saka, Nauko Inui, Junko Kotoh, Mayumi Miyagawa, Misa Hayashi, Machiko Sawada, Tatsuya Moriyama, Shigeru Utsumi

Phytochemistry, Volume 64, Issue 3, October 2003, Pages 701-708.

Keywords : Leguminosae; Soybean; Seed storage protein; Glycinin; [beta]-Conglycinin; Electrophoretic variant; Glycine max

High isoflavone content and estrogenic activity of 25 year-old Glycine max tissue cultures/ Ermanno Federici, Andre Touche, Sandie Choquart, Ornella Avanti, Laurent Fay, Elizabeth Offord, Didier Courtois
Phytochemistry, Volume 64, Issue 3, October 2003, Pages 717-724.

Keywords : Glycine max; Leguminosae; Soya; Callus cultures; Cell suspension culture; Isoflavones; Estrogenic activity

A mitogen-activated-protein kinase from soybean is activated by a pathogen and novel functional analogs of salicylic acid/ Carmen Anstatt, Raimund Tenhaken

Plant Physiology and Biochemistry, Volume 41, Issue 10, October 2003, Pages 929-934.

Keywords : Glycine max; MAPK; Plant defense responses; Pseudomonas syringae; Salicylic acid

Replacing soybean meal with sunflower seed meal in the ration of Awassi ewes and lambs/ R. H. Irshaid, M. Y. Harb, H. H. Titi
Small Ruminant Research, Volume 50, Issues 1-2, October 2003, Pages 109-116.

Keywords : Sunflower seed meal; Awassi lambs; Awassi ewes

Acid recycling to optimize citric acid-modified soybean hull production/ Wayne E. Marshall, Lynda H. Wartelle
Industrial Crops and Products, Volume 18, Issue 2, , September 2003, Pages 177-182.

Keywords : Modified soybean hulls; Citric acid recycling; Copper ion adsorption

Influence of high pressure on conformational changes of soybean glycinin/ Hongkang Zhang, Lite Li, Eizo Tatsumi, Sabir Kotwal
Innovative Food Science & Emerging Technologies, Volume 4, Issue 3, , September 2003, Pages 269-275.

Keywords : High pressure; Glycinin; Soybean; Conformation

Induced expression of pathogenesis-related protein genes in soybean by wounding and the *Phytophthora sojae* cell wall glucan elicitor/ M. Y. Graham, J. Weidner, K. Wheeler, M. J. Pelow, T. L. Graham

Physiological and Molecular Plant Pathology, Volume 63, Issue 3, September 2003, Pages 141-149.

Keywords : Glucanase; WIN-like protein; Kunitz trypsin inhibitor; PR proteins; Elicitor; Wounding; Ethylene; Jasmonic acid; Soybean defense

Simultaneous Fe- and Cu-deficiency synergically accelerates the induction of several Fe-deficiency stress responses in Strategy I plants/ Francisco J. Romera, Veronica M. Frejo, Esteban Alcantara,

Plant Physiology and Biochemistry, Volume 41, Issue 9, , September 2003, Pages 821-827.

Keywords : Copper; Cu-deficiency; Ethylene; Fe-deficiency; Ferric reducing capacity; Iron; Fe-deficiency stress responses

N-stress alters aspartate and asparagine levels of xylem sap in soybean/ J. D. Lima, L. Sodek,

Plant Science, Volume 165, Issue 3, , September 2003, Pages 649-656.

Keywords :Soybean; Xylem sap; N-transport; N-stress; Asparagine synthetase

Effect of feeding calcium salts of long-chain fatty acids, from palm fatty acid distillate or soybean oil, to high producing dairy cows on milk yield and composition, and on selected blood and reproductive parameters/ P. Mandebvu, C. S. Ballard, C. J. Sniffen, M. P. Carter, H. M. Wolford, T. Sato, Y. Yabuuchi, E. Block, D. L. Palmquist,

Animal Feed Science and Technology, Volume 108, Issues 1-4, , 25 August 2003, Pages 25-41.

Keywords : Dairy cow; Calcium salts; Fatty acids; Milk yield; Reproductive performance

Partially or totally replacing soybean meal and maize by chickpeas in lamb diets: intramuscular fatty acid composition/ A. Priolo, M. Lanza, V. Galofaro, V. Fasone, M. Bella

Animal Feed Science and Technology, Volume 108, Issues 1-4, , 25 August 2003, Pages 215-221.

Keywords : Sheep; Fatty acids; Conjugated linoleic acid; Soybean meal; Chickpeas

Alanine metabolism and alanine aminotransferase activity in soybean (Glycine max) during hypoxia of the root system and subsequent return to normoxia/ C. A. F. de Sousa, L. Sodek

Environmental and Experimental Botany, Volume 50, Issue 1, , August 2003, Pages 1-8.

Keywords : Glycine max; Hypoxia; Alanine; Alanine aminotransferase; Xylem sap

Intraspecific differences in physiological response of 20 soybean cultivars to enhanced ultraviolet-B radiation under field conditions/ Zu Yanqun, Li Yuan, Chen Haiyan, Chen Jianjun

Environmental and Experimental Botany, Volume 50, Issue 1, August 2003, Pages 87-97.

Keywords : Chlorophyll; Glycine max; Flavonoid; Malonaldehyde; Membrane permeability; Superoxide dismutase

Soluble soybean fiber: a 3-month dietary toxicity study in rats/ T. Takahashi, A. Nakamura, M. Kato, H. Maeda, R. C. Mandella, A. Broadmeadow, S. A. Ruckman

Food and Chemical Toxicology, Volume 41, Issue 8, , August 2003, Pages 1111-1121.

Keywords : Soluble fibre; Dietary fibre; Toxicity; Rat

Engineering to increase isoflavone biosynthesis in soybean seed/ Oliver Yu, June Shi, Aideen O. Hession, Carl A. Maxwell, Brian McGonigle, Joan T. Odell, Metabolic

Phytochemistry, Volume 63, Issue 7, , August 2003, Pages 753-763.

Keywords : Glycine max; Fabaceae; Isoflavone; Transcription Factor; Flavanone 3-Hydroxylase

Isolation of a molecular marker of soybean nodule senescence/ Florence Alesandrini, Pierre Frenedo, Alain Puppo, Didier Herouart,

Plant Physiology and Biochemistry, Volume 41, Issue 8, , August 2003, Pages 727-732.

Keywords : Molecular markers; Nodulins; Senescence; Soybean nodule

Expression of soybean proteinase inhibitors in transgenic sugarcane plants: effects on natural defense against *Diatraea saccharalis*/ Maria Cristina Falco, Marcio C. Silva-Filho

Plant Physiology and Biochemistry, Volume 41, Issue 8, August 2003, Pages 761-766.

Keywords : *Diatraea saccharalis*; Insect resistance; Soybean proteinase inhibitors; Sugarcane

Cadmium-induced changes in growth and cell cycle gene expression in suspension-culture cells of soybean/ Robert Sobkowiak, Joanna Deckert,

Plant Physiology and Biochemistry, Volume 41, Issue 8, , August 2003, Pages 767-772.

Keywords : Cadmium; Cyclin; Cyclin-dependent kinase; Soybean

Biosolids application to soybeans and effects on input and output of nitrogen/ V. C. Currie, J. S. Angle, R. L. Hill

Agriculture, Ecosystems & Environment, Volume 97, Issues 1-3, , July 2003, Pages 345-351.

Keywords : Sewage sludge; N-fixation; Denitrification; Mineralization

3,4-Dichloroaniline is detoxified and exported via different pathways in *Arabidopsis* and soybean/ Si-Houy Lao, Caroline Loutre, Melissa Brazier, Julian O. D. Coleman, David J. Cole, Robert Edwards, Frederica L. Theodoulou

Phytochemistry, Volume 63, Issue 6, July 2003, Pages 653-661.

Keywords : Glycine max (Fabaceae) soybean; Arabidopsis thaliana (Brassicaceae); Herbicide metabolism; Conjugation; Export; Detoxification; Dichloroaniline; Malonyltransferase; Glucosyltransferase; Roots

In vitro and in vivo comparison of egg yolk-based and soybean lecithin-based extenders for cryopreservation of bovine semen/ Viviana A. Aires, Klaus-Dieter Hinsch, Frank Mueller-Schloesser, Katja Bogner, Susanne Mueller-Schloesser, Elvira Hinsch,

Theriogenology, Volume 60, Issue 2, , July 2003, Pages 269-279.

Keywords : Bovine spermatozoa; Cryopreservation; Lecithin; Egg yolk; Test system

Development and evaluation of a pelleted feedstuff containing condensed corn steep liquor and raw soybean hulls for dairy cattle diets/ J. M. DeFrain, J. E. Shirley, K. C. Behnke, E. C. Titgemeyer, R. T. Ethington
Animal Feed Science and Technology, Volume 107, Issues 1-4, , 30 June 2003, Pages 75-86.

Keywords : Soybean hulls; Condensed corn steep liquor; Byproduct

Rumen degradability characteristics of xylose treated canola and soybean meals/ S. D. Tuncer, P. Sacakli
Animal Feed Science and Technology, Volume 107, Issues 1-4, , 30 June 2003, Pages 211-218.

Keywords : Canola meal; Rumen degradability; Soybean meal; Xylose

Long-term crop rotations affect soybean yield, seed weight, and soil chemical properties/ K. W. Kelley, J. H. Long Jr., T. C. Todd,
Field Crops Research, Volume 83, Issue 1, 20 June 2003, Pages 41-50.

Keywords : Long-term crop rotation; Soybean yield; Soil chemical properties

Quantification of environmental and management effects on the yield of late-sown soybean/ P. A. Calvino, V. O. Sadras, F. H. Andrade,
Field Crops Research, Volume 83, Issue 1, 20 June 2003, Pages 67-77.

Keywords : Soybean; Late sown; Environmental effect; Management effect

Economic and weather influences on soybean planting strategies on heavy soils/ Michael P. Popp, Carl R. Dillon, Terry C. Keisling,
Agricultural Systems, Volume 76, Issue 3, , June 2003, Pages 969-984.

Keywords : Crop production; Operation size; Planting capacity; Weather risk

Site-specific evaluation of the CROPGRO-soybean model on Missouri claypan soils/ F. Wang, C. W. Fraisse, N. R. Kitchen, K. A. Sudduth
Agricultural Systems, Volume 76, Issue 3, , June 2003, Pages 985-1005.

Keywords : CROPGRO; Soybeans; LAI; Root distribution; Soil water content

Corrigendum to 'Comparison of simplex and duplex real-time PCR for the quantification of GMO in maize and soybean/ Remi Alary, Arnaud Serin, Delphine Maury, Hatem Ben Jouira, Jean-Pascal Sirven, Marie-Francoise Gautier, Philippe Joudrier,
Journal of Food Control 13 (4-5) (2002) 235-244.

Fate of ¹⁴C-chlorpyrifos in stored soybeans and its toxicological potential to mice/ S. M. A. D. Zayed, M. Farghaly, S. El-Maghraby,
Food and Chemical Toxicology, Volume 41, Issue 6, , June 2003, Pages 767-772.

Keywords : Insecticide residues; Chlorpyrifos; Stored seeds; Soybeans; Toxicity of total internal residues

Impact of dietary soybean oil versus medium-chain triglycerides on plasma fatty acids in goats/ K. -H. Yeom, J. Th. Schonewille, H. Everts, J. M. Zoet, A. C. Beynen
Small Ruminant Research, Volume 48, Issue 3, , June 2003, Pages 201-208.

Keywords : Goats; Soybean oil; MCT; Plasma; Fatty acids

K. Influence of tillage practices and nutrient management on crack parameters in a Vertisol of central India/ K. Bandyopadhyay, M. Mohanty, D. K. Painuli, A. K. Misra, K. M. Hati, K. G. Mandal, P. K. Ghosh, R. S. Chaudhary, C. L. Acharya.

Soil and Tillage Research, Volume 71, Issue 2, , June 2003, Pages 133-142.

Keywords : Crack parameters; Puddling; Direct seeding; No tillage; Reduced tillage; Mould board ploughing; Sub-soiling; Vertisol; India

Thermo-acido-tolerant phytase production from a soil bacterium in a medium containing rice bran and soybean meal extract/ Suthiluk Popanich, Chananart Klomsiri, Saovanee Dharmsthiti,

Bioresource Technology, Volume 87, Issue 3, May 2003, Pages 295-298.

Keywords : Bacterial phytase; Production; Characterization; Thermo-acido-tolerant phytase

Low temperature tolerant Bradyrhizobium japonicum strains allowing improved nodulation and nitrogen fixation of soybean in a short season (cool

spring) area/ H. Zhang, B. Prithiviraj, T. C. Charles, B. T. Driscoll, D. L. Smith

European Journal of Agronomy, Volume 19, Issue 2, May 2003, Pages 205-213.

Keywords : Bradyrhizobium japonicum; Glycine max; Nitrogen fixation; Soybean; Root zone temperature; Strain selection

Development, growth and yield of late-sown soybean in the southern Pampas/ P. A. Calvino, V. O. Sadras, F. H. Andrade

European Journal of Agronomy, Volume 19, Issue 2, May 2003, Pages 265-275.

Keywords : Glycine max; Late sowing; Crop management; Double cropping; Temperature

Increasing sink size does not increase photosynthesis during seed filling in soybean/ Dennis B. Egli, W. P. Bruening

European Journal of Agronomy, Volume 19, Issue 2, May 2003, Pages 289-298.

Keywords : Soybean; Source-sink ratios; Photosynthesis; Seeds; Feedback control

Field assessment and genetic stability of Sinorhizobium fredii strain SMH12 for commercial soybean inoculants/ D. N. Rodriguez-Navarro, R. Bellogin, M. Camacho, A. Daza, C. Medina, F. J. Ollero, C. Santamaria, J. E. Ruiz-Sainz, J. M. Vinardell, F. J. Temprano

European Journal of Agronomy, Volume 19, Issue 2, , May 2003, Pages 299-309.

Keywords : Sinorhizobium fredii; Bradyrhizobium japonicum; Soybean cultivars; Genetic stability; Rhizobial inoculants

Effect of soybean soluble polysaccharides on the stability of milk protein under acidic conditions/ Akihiro Nakamura, Hitoshi Furuta, Masayoshi Kato, Hirokazu Maeda, Yasunori Nagamatsu

Food Hydrocolloids, Volume 17, Issue 3, May 2003, Pages 333-343.

Keywords : Soybean; Polysaccharide; Pectin; Milk protein; Acidic condition; Stability

Soybean isoflavones inhibit tumor necrosis factor-[alpha]-induced apoptosis and the production of interleukin-6 and prostaglandin E2 in osteoblastic cells/ Kwang Sik Suh, Gwanpyo Koh, Cheol Young Park, Jeong Taek Woo, Sung Woon Kim, Jin Woo Kim, In Kook Park, Young Seol Kim.

Phytochemistry, Volume 63, Issue 2, , May 2003, Pages 209-215.

Keywords : Soybean isoflavones; Genistein; Daidzein; Estrogen; Osteoblast; Tumor necrosis factor-alpha; Apoptosis; Cytokines

Tissue distribution and subcellular localization of carbonic anhydrase in mature soybean root nodules indicates a role in CO2 diffusion/ Nektarios Kavroulakis, Emmanouil Fliemetakis, Georgios Aivalakis, Preeti Dahiya, Nicholas J. Brewin, Kostas Fasseas, Polydefkis Hatzopoulos, Panagiotis Katinakis,

Plant Physiology and Biochemistry, Volume 41, Issue 5, May 2003, Pages 479-484.

Keywords : Carbonic anhydrase; CO2 metabolism; Immunolocalization; Phosphoenolpyruvate carboxylase; Soybean

Effect of feeding irradiated soybean on nutrient intake, digestibility and N-balance in goats/ V. Mani, P. Chandra

Small Ruminant Research, Volume 48, Issue 2, , May 2003, Pages 77-81.

Keywords : Gamma irradiation; Soybean; Nutrient digestibility; N-balance; Goats

Interaction between the soil yeast *Rhodotorula mucilaginosa* and the arbuscular mycorrhizal fungi *Glomus mosseae* and *Gigaspora rosea*/ S. Fracchia, A. Godeas, J. M. Scervino, I. Sampedro, J. A. Ocampo, I. Garcia-Romera,

Soil Biology and Biochemistry, Volume 35, Issue 5, , May 2003, Pages 701-707.

Keywords : Arbuscular mycorrhiza; Gigaspora rosea; Glomus mosseae; Rhodotorula mucilaginosa; Soil yeast

Soybean hulls as a replacement of forage neutral detergent fiber in total mixed rations of lactating cows/ J. Miron, E. Yosef, E. Maltz, I. Halachmi,

Animal Feed Science and Technology, Volume 106, Issues 1-4, , 21 April 2003, Pages 20-28.

Keywords : Milk yield; Milk fat; Milk fatty acids; Soy hulls; Corn silage; Lactating cows

The fermentation of soybean meal by rumen microbes in vitro reveals different kinetic features for the inactivation and the degradation of trypsin inhibitor protein/ Ellen M. Hoffmann, Stephan Muetzel, Klaus Becker, *Animal Feed Science and Technology*, Volume 106, Issues 1-4, , 21 April 2003, Pages 189-197.

Keywords : Rumen; Fermentation; Trypsin inhibitor; Soybean

Optimizing irrigation management for a spatially variable soybean field/ Ravic Nijbroek, Gerrit Hoogenboom, James W. Jones *Agricultural Systems*, Volume 76, Issue 1, April 2003, Pages 359-377.

Keywords : Decision support system; Crop simulation; Water conservation; Drought

Induced lipoxygenases in soybean root nodules/ Mojtaba Mohammadi, Arthur L. Karr

Plant Science, Volume 164, Issue 4, , April 2003, Pages 471-479.

Keywords : Glycine max (L.) Merrill; Lipoxygenase; Nitrogen fixation; Soybean root nodules; Superoxide anion

Replacing soybean meal with sunflower meal with or without fibrolytic enzymes in fattening diets of goat kids/ H. H. Titi

Small Ruminant Research, Volume 48, Issue 1, April 2003, Pages 45-50.

Keywords : Soybean meal; Sunflower meal; Cellulases enzyme; Goat kids

A delayed flowering barrier to higher soybean yields/ Richard L. Cooper

Field Crops Research, Volume 82, Issue 1, 20 March 2003, Pages 27-35.

Keywords : Soybean; Flowering; Photo/thermal; Yield

Soybean and sunflower oils increase the infectivity of *Colletotrichum gloeosporioides* f. sp. *aeschynomene* to Northern Jointvetch/ Todd R. Sandrin, David O. TeBeest, Gregory J. Weidemann.

Biological Control, Volume 26, Issue 3, March 2003, Pages 244-252.

Keywords : Soybean oil; Sunflower oil; *Colletotrichum gloeosporioides* f. sp. *aeschynomene*; *Aeschynomene virginica*; *Collego*; Northern jointvetch; Mycoherbicide; Biological control

Chaetomium globosum for reducing primary inoculum of *Diaporthe phaseolorum* f. sp. *meridionalis* in soil-surface soybean stubble in field conditions/ O. D. Dhingra, E. S. G. Mizubuti, F. M. Santana.

Biological Control, Volume 26, Issue 3, March 2003, Pages 302-310.

Keywords : Biological control; Conservation tillage; No tillage; Minimum tillage; *Diaporthe phaseolorum* var. *caulivora*; *Phomopsis phaseoli* f. sp. *meridionalis*; Residue-borne pathogen; Stem canker

Initial crop growth in soil collected from a closed animal waste lagoon/ L. Zhu, M. B. Kirkham.

Bioresource Technology, Volume 87, Issue 1, March 2003, Pages 7-15.

Keywords : Lagoons; Closure; Waste; Swine; Beef; Remediation; Crops; Growth; Nutrient uptake

Lactofen induces isoflavone accumulation and glyceollin elicitation competency in soybean/ Serena Landini, Madge Y. Graham, Terrence L. Graham.

Phytochemistry, Volume 62, Issue 6, Plant Metabolomics, March 2003, Pages 865-874.

Keywords : *Glycine max*; Papilionoideae; Soybean; Phenylpropanoid; Isoflavone; Genistein; Daidzein; Diphenyl ether; Herbicide

Yield and water use of broadleaf crops in a semiarid climate/ Randy L. Anderson, Donald L. Tanaka, Stephen D. Merrill

Agricultural Water Management, Volume 58, Issue 3, 26 February 2003, Pages 255-266.

Keywords : Alternative crops; Crop rotations; Synergism; Water-use-efficiency

Modeling nitrogen accumulation and use by soybean/ T. R. Sinclair, J. R. Farias, N. Neumaier, A. L. Nepomuceno

Field Crops Research, Volume 81, Issues 2-3, 20 February 2003, Pages 149-158.

Keywords : Nitrogen accumulation; Soybean; N₂ fixation; Crop modelling

Effects of year, site, genotype and their interactions on various soybean isoflavones/ Sun Joo Lee, Weikai Yan, Joung Kuk Ahn, Ill Min Chung
Field Crops Research, Volume 81, Issues 2-3, 20 February 2003, Pages 181-192.

Keywords : Soybean; Isoflavones; Genotype-by-environment interaction

Evaluation of the interaction of risk management tools for cotton and soybeans/ Keith H. Coble, Manuel Zuniga, Richard Heifner
Agricultural Systems, Volume 75, Issues 2-3, February-March 2003, Pages 323-340.

Keywords : Crop insurance; Futures; Options; Risk; Optimal hedging

The effect of enhanced ultraviolet-B radiation on growth, photosynthesis and stable carbon isotope composition ($[\delta]^{13}\text{C}$) of two soybean cultivars (*Glycine max*) under field conditions/ Huyuan Feng, Lizhe An, Tuo Chen, Weiya Qiang, Shijian Xu, Manxiao Zhang, Xunling Wang, Guodong Cheng.
Environmental and Experimental Botany, Volume 49, Issue 1, February 2003, Pages 1-8.

Keywords : Crop; Chlorophyll; Flavonoids; Intraspecific difference; Stratospheric ozone depletion

Consumer perception of risk associated with eating genetically engineered soybeans is less in the presence of a perceived consumer benefit/ J.Lynne Brown, Yanchao Ping
Journal of the American Dietetic Association, Volume 103, Issue 2, February 2003, Pages 208-214.

Characteristics of soybeans as affected by soaking conditions/ Z. Pan, W. Tangratanavalee,
Lebensmittel-Wissenschaft und-Technologie, Volume 36, Issue 1, February 2003, Pages 143-151.

Keywords : Soybean; Soaking; Water absorption; Texture; Grinding

Soybean and milk proteins modified by transglutaminase improves chicken sausage texture even at reduced levels of phosphate/ M. Muguruma, K. Tsuruoka, K. Katayama, Y. Erwanto, S. Kawahara, K. Yamauchi, S. K. Sathe, T. Soeda, *Meat Science* Volume 63, Issue 2, , February 2003, Pages 191-197.

Keywords : Transglutaminase; Biopolymer; Emulsifying property; Heat stability; Sausage; Texture; Phosphate reduction

Dietary canola or soybean oil with two levels of conjugated linoleic acids (CLA) alter profiles of 18:1 and 18:2 isomers in blood plasma and milk fat from dairy cows/ J. J. Loo, J. H. Herbein

Animal Feed Science and Technology, Volume 103, Issues 1-4, 31 January 2003, Pages 63-83.

Keywords : Conjugated linoleic acids (CLA); Biohydrogenation; Canola oil; Soybean oil; Milk fat

Phosphorus fertilizer response in an irrigated soybean-wheat production system on a subtropical, semiarid soil/ Milkha S. Aulakh, Nanak S. Pasricha, Gulshan S. Bahl.

Field Crops Research, Volume 80, Issue 2, 20 January 2003, Pages 99-109.

Keywords : Soybean-wheat system; South Asia; Productivity with constraint sources; Irrigated semiarid soil; Subtropical region; Fertilizer P use efficiency; P recovery

Effect of N fertilizer top-dressing at various reproductive stages on growth, N₂ fixation and yield of three soybean (*Glycine max* (L.) Merr.) genotypes/ Yinbo Gan, Ineke Stulen, Herman van Keulen, Pieter J. C. Kuiper

Field Crops Research, Volume 80, Issue 2, 20 January 2003, Pages 147-155.

Keywords : N fertilizer application; N₂ fixation; Nodulation; Reproductive stage; Seed yield; Soybean

Liquid holding capacity, texture and fatty acid profile of smoked fillets of Atlantic salmon fed diets containing fish oil or soybean oil/ Anna Maria Bencze Rora, Christelle Regost, Johanna Lampe

Food Research International, Volume 36, Issue 3, 2003, Pages 231-239.

Keywords : *Salmo salar*; Soybean oil; Liquid holding capacity; Fatty acids; Storage time and temperature

Active soybean lectin in foods: quantitative determination by ELISA using immobilised asialofetuin/ Corrado Rizzi, Luisa Galeoto, Gianni Zoccatelli, Simone Vincenzi, Roberto Chignola, Angelo D. B. Peruffo
Food Research International, Volume 36, Issue 8, 2003, Pages 815-821.

Keywords : Soybean lectin; Quantitative ELISA; Soy-derived foods; Sprouts

Kinetics of the Mn²⁺ ion and the free radical observed in [gamma]-irradiated soybean (*Glycine max* L.)/ Mustafa Polat, Mustafa Korkmaz
Food Research International, Volume 36, Issues 9-10, 2003, Pages 1073-1080.

Keywords : Soybean; Radiation; Annealing; ESR

Photosynthetic responses of corn and soybean to foliar application of salicylates/ Wajahatullah Khan, Balakrishnan Prithiviraj, Donald L. Smith.
Journal of Plant Physiology, Volume 160, Issue 5, 2003, Pages 485-492.

Keywords : Photosynthesis; salicylic acid; acetylsalicylic acid; gentisic acid

Chitosan and chitin oligomers increase phenylalanine ammonia-lyase and tyrosine ammonia-lyase activities in soybean leaves/ Wajahatullah Khan, Balakrishnan Prithiviraj, Donald L. Smith.

Journal of Plant Physiology, Volume 160, Issue 8, 2003, Pages 859-863.

Keywords : Chitosan; chitin; elicitor; phenylalanine ammonia-lyase; total phenolic content; tyrosine ammonia-lyase

Expression of a *Streptomyces* 3-hydroxysteroid oxidase gene in oilseeds for converting phytosterols to phytostanols/ Mylavarapu Venkatramesh, Balasulojini Karunanandaa, Bin Sun, Catharine A. Gunter, Sekhar Boddupalli, Ganesh M. Kishore,

Phytochemistry, Volume 62, Issue 1, January 2003, Pages 39-46.

Keywords : Glycine max; Leguminosae; Brassica napus; Cruciferae; Transgenic; Sitosterol; Campesterol; Stigmasterol; Sitostanol; Campestanol; Stigmastanol; 3-Hydroxysteroid oxidase

The biochemical origin of pentenol emissions from wounded leaves/ A.J. Fisher, H. D. Grimes, R. Fall

Phytochemistry, Volume 62, Issue 2, January 2003, Pages 159-163.

Keywords : Glycine max; Leguminosae; Soybean; Pentenol; Pentenone; Lipoxygenase; Volatile organic compound; Gas chromatography; Reduction gas detector

Immunochemical evidence for the presence of a lipoxygenase 1 in isolated plasma membranes from soybean cotyledons/ Enrico Braidot, Stefano Micolini, Angela Risso, Francesco Macri, Angelo Vianello,

Plant Science, Volume 164, Issue 1, January 2003, Pages 9-16.

Keywords : Glycine max; Antibody; Lipoxygenase 1; Plasma membrane

A Catalogue of Molecular, Physiological and Symbiotic Properties of Soybean-Nodulating Rhizobial Strains from Different Soybean Cropping Areas of China/ J. Thomas-Oates, J. Bereszczak, E. Edwards, A. Gill, S. Noreen, J.C. Zhou, M.Z. Chen, L.H. Miao, F.L. Xie, J.K. Yang, Q. Zhou, S.S. Yang, X.H. Li, L. Wang, H.P. Spaink, H.R.M. Schlaman, M. Harteveld, C.L. Diaz, A.A.N. van Brussel, M. Camacho, D.N. Rodriguez-Navarro, C. Santamaria, F. Temprano, J.M. Acebes, R.A. Bellogin, A.M. Buendia-Claveria, M.T. Cubo, M.R. Espuny, A.M. Gil, R. Gutierrez, A. Hidalgo, F.J. Lopez-Baena, N. Madinabeitia, C. Medina, F.J. Ollero, J.M. Vinardell, J.E. Ruiz-Sainz.

Systematic and Applied Microbiology, Volume 26, Issue 3, 2003, Pages 453-465.

Keywords : Soybean-nodulating rhizobia; Nod factors; plasmid profiles; PCR analyses; symbiotic characteristics

The Essential Electronic Agricultural Library (TEEAL)

Responding to the soybean rust epidemic in sub-Saharan Africa A review/
Kawuki R S Adipala E Lamo J Tukamuhabwa P
African Crop Science Journal. 2003. 11 (4). 301-318,CD Volume418,Print
Article Pages 301-318

Keywords : Control; epidemiology; Phakopsora-pachyrhizi; yield-losses

Dosimetric measurement of the visible and UV exposures on field grown
soybean plants/ Parisi A V Galea V J Randall *Agricultural and Forest
Meteorology*. 2003. 120 (1/4). 153-160,CD Volume405

**Keywords : crop-growth-stage. leaves. photosynthesis. soyabeans.
ultraviolet-radiation**

Digital measurement of heliotropic leaf response in soybean cultivars and leaf
exposure to solar UVB radiation/ Bawhey C I Grant R H Gao W
Agricultural and Forest Meteorology. 2003. 120 (1/4). 161-175,CD
Volume405

**Keywords : cultivars. heliotropism. leaf-angle. leaves. solar-radiation.
soyabeans. ultraviolet-radiation**

Optimizing irrigation management for a spatially variable soybean field/
Nijbroek R Hoogenboom G Jones J W
Agricultural Systems. 2003. 76 (1). 359-377,CD Volume406

**Keyword : scentre-pivot-irrigation. cost-benefit-analysis. crop-yield.
drought. irrigation. irrigation-requirements. irrigation-
scheduling. irrigation-water. particle-size-distribution.
plant-water-relations. simulation-models. soil-water.
soyabeans. spatial-variation. water-availability. water-
conservation. water-management. water-stress. weather-
data**

Economic and weather influences on soybean planting strategies on heavy
soils/ Popp M P Dillon C R Keisling T C
Agricultural Systems. 2003. 76 (3). 969-984,CD Volume406

Keywords : clay-soils. crop-yield. drilling. planting. producer-prices. production-economics. profitability. returns. seedbed-preparation. soil-types-(textural). soyabeans. spatial-variation. tillage. weather

Site-specific evaluation of the CROPGRO-soybean model on Missouri claypan soils/ Wang F Fraisse C W Kitchen N R Sudduth K A
Agricultural Systems. 2003. 76 (3). 985-1005,CD Volume406

Keywords : claypan-soils. crop-yield. environmental-factors. growth. leaf-area. leaf-area-index. mathematical-models. precipitation. roots. soil-depth. soil-texture. soil-types-(structural). soil-water. soyabeans. topsoil. yield-

Effect of P fertilizer application on N balance of soybean crop in the guinea savanna of Nigeria/ Ogoke I J Carsky R J Togun A O Dashiell K
Agriculture, Ecosystems & Environment. 2003. 100 (2/3). 153-159,CD Volume405

Keywords : application-rates. cropping-systems. cultivars. haulms. nitrogen. nitrogen-balance. nutrient-balance. nutrient-content. nutrient-uptake. phosphorus-fertilizers. plant-nutrition. savannas. soil-fertility. soyabeans. variety-trials

Residual benefits of promiscuous soybean to maize (*Zea mays* L.) grown on farmers' fields around Minna in the southern Guinea savanna zone of Nigeria/ Osunde A O Bala A Gwam M S Tsado P A Sanginga N Okogun J A
Agriculture, Ecosystems & Environment. 2003. 100 (2/3). 209-220,CD Volume405

Keywords : biomass. crop-yield. cultivars. endomycorrhizas. fallow. inoculation. maize. maize-stover. mycorrhizal-fungi. mycorrhizas. nitrogen. nitrogen-fertilizers. nitrogen-fixation. nitrogen-fixing-bacteria. nutrient-uptake. plant-height. plant-nutrition. residual-effects. roots. savannas. shoots. soyabeans. vesicular-arbuscular-mycorrhizas

Response of cowpea and soybean to P and K on terre de barre soils in southern Benin/ Carsky R J

Agriculture, Ecosystems & Environment. 2003. 100 (2/3). 241-249,CD Volume405

Keywords : cottonseed. cowpeas. crop-yield. disturbed-soils. Nitisols. organic-amendments. phosphorus-fertilizers. phosphorus-potassium-fertilizers. potassium-fertilizers. poultry-manure. soil-amendments. soil-degradation. soil-fertility. soil-types. soyabeans

Tillage systems and inoculation in soybean. Effects on growth and yield/
Ressia J M Lazaro L Lett L C Mendivil G O Portela G R Balbuena R H
Agrociencia (Montecillo) 2003. 37 (2). 167-176,CD Volume419,Print Article Pages 167-176

Keywords : chisel-ploughs. conservation-tillage. crop-yield. dry-matter. growth. mouldboards. nitrogen-fixing-bacteria. no-tillage. seed-inoculation. seeds. soyabeans. tillage. yield-components

Dietary canola or soybean oil with two levels of conjugated linoleic acids (CLA) alter profiles of 181 and 182 isomers in blood plasma and milk fat from dairy cows/ Looor J J Herbein J H

Animal Feed Science and Technology. 2003. 103 (1/4). 63-83,CD Volume406

Keywords : blood-plasma. cows. dairy-cattle. linoleic-acid. milk. milk-fat. milk-yield. oleic-acid. rapeseed-oil. soyabean-oil

The fermentation of soybean meal by rumen microbes in vitro reveals different kinetic features for the inactivation and the degradation of trypsin inhibitor protein/ Hoffmann E M Muetzel S Becker K

Animal Feed Science and Technology. 2003. 106 (1/4). 189-197,CD Volume406

Keywords : in-vitro. rumen. rumen-fermentation. rumen-fluid. rumen-microorganisms. soyabean-oilmeal. trypsin-inhibitors

Development and evaluation of a pelleted feedstuff containing condensed corn steep liquor and raw soybean hulls for dairy cattle diets/ DeFrain J M Shirley J E Behnke K C Titgemeyer E C Ethington R T

Animal Feed Science and Technology. 2003. 107 (1/4). 75-86,CD Volume406

Keywords : chemical-composition. dairy-cattle. diets. dry-matter. enzyme-activity. maize-steep-liquor. moisture-content. pelleted-feeds. pelleting. soyabean-husks. urease

Rumen degradability characteristics of xylose treated canola and soybean meals/ Tuncer S D Sacakli P

Animal Feed Science and Technology. 2003. 107 (1/4). 211-218,CD Volume406

Keywords : crude-protein. degradation. dry-matter. organic-matter. protein-degradation. rams. rapeseed-oilmeal. rumen-digestion. soyabean-oilmeal. xylose

Effect of feeding calcium salts of long-chain fatty acids, from palm fatty acid distillate or soybean oil, to high producing dairy cows on milk yield and composition, and on selected blood and reproductive parameters/ Mandebvu P Ballard C S Sniffen C J Carter M P Wolford H M Sato T Yabuuchi Y Block E Palmquist D L

Animal Feed Science and Technology. 2003. 108 (1/4). 25-41,CD Volume406

Keywords : body-condition. cows. dairy-cows. fatty-acids. Holstein-Friesian. lactation. lactose. linoleic-acid. milk-composition. milk-fat-percentage. milk-protein-percentage. milk-yield. ovarian-follicles. ovulation. reproductive-

Partially or totally replacing soybean meal and maize by chickpeas in lamb diets intramuscular fatty acid composition/ Priolo A Lanza M Galofaro V Fasone V Bella M

Animal Feed Science and Technology. 2003. 108 (1/4). 215-221,CD Volume406

Keywords : chickpeas. diets. fats. fatty-acids. lamb-(meat). lambs. linoleic-acid. maize. muscles. pelleted-feeds. soyabean-oilmeal

Identification and characterization of a sucrose transporter isolated from the developing cotyledons of soybean/ Aldape MJ Elmer AM Chao WS Grimes HD

Arch Biochem Biophys 2003 Jan 15;409(2)243-50,CD Volume407

Keywords : Biological Transport. Carbon. Cotyledon. Genome, Plant. Hydrogen-Ion Concentration. Membrane Proteins. Membrane Transport Proteins. Phylogeny. Plant Proteins. Plants, Genetically Modified. Protein Structure, Tertiary.

Reversible denaturation of the soybean Kunitz trypsin inhibitor/
Roychaudhuri R Sarath G Zeece M Markwell J
Archives of Biochemistry and Biophysics. 2003. 412 (1). 20-26,CD
Volume407

Keywords : analytical-methods. chemical-structure. cooling. denaturation. fluorescence. heat-treatment. proteins. soyabeans. spectroscopy. trypsin-inhibitors. tryptophan. tyrosine

Effect of de-hulling on ileal amino acids digestibility of soybean meals fed to growing pigs/ Kang Y F Li D F Xing J J Mckinnon P J Sun D Y
Asian-Australasian Journal of Animal Sciences. 2003. 16 (6). 928-938,CD
Volume424,Print Article Pages 928-938

Keywords : alanine. amino-acids. arginine. aspartic-acid. crude-protein. cystine. digestibility. glutamic-acid. husking. ileum. isoleucine. leucine. lysine. phenylalanine. serine. soyabean-oilmeal. threonine. tyrosine

Effects of phytase and carbohydrases supplementation to diet with a partial replacement of soybean meal with rapeseed meal and cottonseed meal on growth performance and nutrient digestibility of growing pigs/ Shim Y H Chae B J Lee J
Asian-Australasian Journal of Animal Sciences. 2003. 16 (9). 1339-1347,CD
Volume424,Print Article Pages 1339-1347

Keywords : alpha-galactosidase. amino-acids. calcium. cottonseed-oilmeal. crude-protein. diets. digestibility. dry-matter. feed-additives. feed-conversion-efficiency. feeds. galactomannans. glycosidases. phosphorus. phytase. rapeseed-oilmeal. soyabean-oilmeal

True metabolisable energy and true amino acid availability in Chinese varieties of dehulled and hulled soybean meals determined with adult

roosters/ Wang JiTan Li DeFa Gong LiMin Xing JianJun Shen HuiLe Song GuoLong Ma FaBo

Asian-Australasian Journal of Animal Sciences. 2003. 16 (10). 1487-1494, CD Volume424, Print Article Pages 1487-1494

Keywords : amino-acids. cocks. cultivars. energy-sources. husking. metabolizable-energy. nutritive-value. poultry. protein-sources. soyabean-oilmeal

Thermo-acido-tolerant phytase production from a soil bacterium in a medium containing rice bran and soybean meal extract/ Popanich S Klomsiri C Dharmsthiti S

Bioresource Technology. 2003. 87 (3). 295-298, CD Volume406

Keywords : ammonia. calcium-chloride. enzymes. ferric-sulfate. glucose. hay. magnesium-sulfate. meal. nitrate. phytase. potassium-chloride. potassium-phosphates. rice. rice-bran. soil-bacteria. soyabeans. stacks

Description, yield and stability of early soybean insect resistant cultivar IAC-23/ deMiranda M A C Braga N R Lourentpo A L Miranda F T S UnOda S H Ito M F

Bragantia. 2003. 62 (1). 19-27, CD Volume410

Keywords Glycine-max; insect-resistance

Description, yield and stability of early soybean insect resistant cultivar IAC-24/ Miranda M A Braga N R Lourentpo A L Miranda F T S UnOda S H Ito M F

Bragantia. 2003. 62 (1). 29-37, CD Volume410

Keywords Glycine-max; insect-resistance

Capture and utilization of solar radiation by the soybean and common bean crops and by weeds/ Santos J B Proc=pio S O Silva A A Costa L C

Bragantia. 2003. 62 (1). 147-153, CD Volume410

Keywords : Weed; competition; integrated-management; efficient-use-of-radiation

Yield and quality of soybean as affected by surface application of lime under a non-tillage system/ Caires E F Ferrari R A Morgano M A

Bragantia. 2003. 62 (2). 283-290, CD Volume410

Keywords : **Glycine-max-L-Merrill; soil-acidity; dolomitic-limestone; oil; protein; nutrient**

Sowing times and millet crop residues on soybean in succession under a no-tillage system/ Lemos L B Nakagawa J Crusciol C A C Chignoli J-nior W Silva T R B

Bragantia. 2003. 62 (3). 405-415, CD Volume410

Keywords : **Pennisetum-typhoides; Glycine-max; cut-management**

Description of the soybean pod gall midge, *Asphondylia yushimai* sp. n. (Diptera Cecidomyiidae), a major pest of soybean and findings of host alternation/ Yukawa J Uechi N Horikiri M Tuda M

Bulletin of Entomological Research. 2003. 93 (1). 73-86, CD Volume410

Keywords : **animal-anatomy. forest-pests. geographical-distribution. host-range. hosts. insect-pests. mitochondrial-DNA. mitochondrial-genetics. new-species. overwintering. phylogenetics. plant-pests. pods. pupae. soyabeans. taxonomy**

Description of the soybean pod gall midge, *Asphondylia yushimai* sp. n. (Diptera Cecidomyiidae), a major pest of soybean and findings of host alternation/ Yukawa J Uechi N Horikiri M Tuda M

Bulletin of Entomological Research. 2003. 93 (3). 265, CD Volume410

Keywords : **descriptions. holotypes. insect-pests. new-species. paratypes. plant-pests. soyabeans. taxonomy**

Identification and use of actinomycetes for enhanced nodulation of soybean co-inoculated with *Bradyrhizobium japonicum*/ Gregor A K Klubek B Varsa E C

Canadian Journal of Microbiology. 2003. 49 (8). 483-491, CD Volume414

Keywords : **antagonism. antagonists. antibiotics. inoculation. kanamycin. mutants. neomycin. nitrogen-fixation. nitrogen-fixing-bacteria. nodulation. nodules. oxytetracycline. resistance. rifampicin. soyabeans. symbiosis. tetracycline**

Coupling diet quality and Bowman-Birk and Kunitz-type soybean proteinase inhibitor effectiveness to *Diatraea saccharalis* development and mortality/ Pompermayer P Falco M C Parra J R P Silva Filho M C
Entomologia Experimentalis et Applicata. 2003. 109 (3). 217-224,CD Volume416

Keywords : amino-acids. biological-development. chemical-composition. cysteine. insect-pests. larvae. lysine. methionine. midgut. mortality. plant-pests. protein-content. proteinase-inhibitors. soyabeans. synthetic-diets
KeywordsDiatraea-saccharalis.Glycine-(Fabaceae). Glycine-max. insects

Soymetide, an immunostimulating peptide derived from soybean beta - conglycinin, is an fMLP agonist/ Tsuruki T Kishi K Takahashi M Tanaka M Matsukawa T Yoshikawa M
FEBS Letters. 2003. 540 (1/3). 206-210,CD Volume404

Keywords : chemical-composition.immunostimulants. immunostimulation.medicinal-plants.neutrophils. peptides. phagocytosis. plant-composition. plant-proteins. soyabeans. tumour-necrosis-factor

Evidence of enzymatic browning due to laccase-like enzyme during mash fermentation in Thai soybean paste/ Lertsiri S Phontree K Thepsingha W Bhumiratana A
Food Chemistry. 2003. 80 (2). 171-176,CD Volume406

Keywords : browning. enzyme-activity. enzymes. fermentation. food-pastes. laccase. soyabean-products

Improvement of emulsifying properties of soybean protein isolate by conjugation with carboxymethyl cellulose/ Diftis N Kiosseoglou V
Food Chemistry. 2003. 81 (1). 1-6,CD Volume406

Keywords : carboxymethylcellulose. emulsification. emulsions. protein-isolates. rheological-properties. soya-protein. stabilizers

Determination of changes in some physical and chemical properties of soybean oil during hydrogenation/ Karabulut I Kayahan M Yaprak S
Food Chemistry. 2003. 81 (3). 453-456,CD Volume406

Keywords : chemical-composition. fat. fatty-acids. hydrogenation. iodine-value. physical-properties. refractive-index. selectivity. soyabean-oil. trans-fatty-acids

Characterization of storage proteins in different soybean varieties and their relationship to tofu yield and texture/ Mujoo R Trinh D T Ng P K W
Food Chemistry. 2003. 82 (2). 265-273, CD Volume406

Keywords : analytical-methods. characterization. chemical-composition. cultivars. densitometry. fermented-foods. firmness. food-processing. HPLC. protein-content. proteins. SDS-PAGE. soyabean-products. soyabeans. texture. tofu.

Yields, Lipoxygenase isozymes and trypsin inhibitor activities in soybean as influenced by growing location/ Vineet Kumar Anita Rani Chanda Tindwani Mukti Jain
Food Chemistry. 2003. 83 (1). 79-83, CD Volume406

Keywords : climate. cultivars. environmental-factors. enzyme-activity. enzymes. genetic-variation. genotype-environment-interaction. isoenzymes. latitude. lipoxygenase. seeds. soyabean-flour. soyabeans. temperature. trypsin-inhibitors

Evaluation of taste compounds in water-soluble extract of a doenjang (soybean paste)/ Kim SeungHo Lee KyungAe
Food Chemistry. 2003. 83 (3). 339-342, CD Volume406

Keywords : amino-acids. aspartic-acid. bitterness. calcium. chloride. glutamic-acid. isoflavones. lactic-acid. peptides. phenolic-acids. phosphorus. potassium. sodium. sweetness

Effect of cadmium stress on nitrogen metabolism in nodules and roots of soybean plants/ Balestrasse K B Benavides M P Gallego S M Tomaro M L
Functional Plant Biology. 2003. 30 (1). 57-64, CD Volume415

Keywords : ammonium. application-rates. assimilation. cadmium. chemical-composition. enzyme-activity. enzymes. glutamate-dehydrogenase. glutamate-synthase. glutamate-ammonia-ligase. heavy-metals. metabolism. nitrogen-content. nitrogen-fixation. nitrogenase. nodules.

polyamines. protein-content. proteinases. roots. soyabeans. stress

Hydraulic and chemical signals in the control of leaf expansion and stomatal conductance in soybean exposed to drought stress/ Liu F Jensen C R Andersen M N

Functional Plant Biology. 2003. 30 (1). 65-73,CD Volume415

Keywords : abscisic-acid. drought. leaf-area. leaf-conductance. leaves. pH. plant-growth-regulators. plant-water-relations. regulation. soil-water-content. soyabeans. stomata. turgor. water-stress. Xylem Organism KeywordsGlycine-(Fabaceae). Glycine-max

Loss of pod set caused by drought stress is associated with water status and ABA content of reproductive structures in soybean/ Liu FuLai Andersen M N Jensen C R

Functional Plant Biology. 2003. 30 (3). 271-280,CD Volume415

Keywords : abscisic-acid. crop-yield. drought. endogenous-growth-regulators. environmental-control. flowering. flowers. fruit-set. leaf-water-potential. leaves. plant-growth-regulators. plant-water-relations. pods. seeds. soyabeans. stress. stress-response. turgor. water-potential. xylem. yield-components Organism KeywordsGlycine-(Fabaceae). Glycine-max

Steady-state water relations of soybean seedling roots/ Murphy R

Functional Plant Biology. 2003. 30 (4). 377-389,CD Volume415

Keywords : aquaporin. growing-media. growth. mathematical-models. osmotic-pressure. plant-water-relations. plasmodesmata. pressure. rooting. roots. salinity. seedlings. solutes. soyabeans. vermiculite. water-flow. water-potential. water-transfer. xylem

Accumulation of soluble carbohydrates, trehalase and sucrose synthase in effective (Fix+) and ineffective (Fix-) nodules of soybean cultivars that differentially nodulate with *Bradyrhizobium japonicum*/ Xie ZhiPing Staehelin C Broughton W J Wiemken A Boller T Muller J

Functional Plant Biology. 2003. 30 (9). 965-971,CD Volume415

Keywords : carbohydrates. cultivars. enzyme-activity. myo-inositol. nitrogen. nitrogen-fixation. nitrogen-fixing-bacteria. nodulation. nodules. pinitol. root-nodules. roots. soyabeans. sucrose-synthase. symbionts. symbiosis. trehalase

Cloning of the pleiotropic T locus in soybean and two recessive alleles that differentially affect structure and expression of the encoded flavonoid 3' hydroxylase/ Zabala G Vodkin L

Genetics. 2003. 163 (1). 295-309,CD Volume412

Keywords : alleles. chemical-structure. DNA-cloning. flavonoids. gene-expression. genes. lines. linkage. loci. messenger-RNA. mutants. oxygenases. pigmentation. plant-pigments. soyabeans. testas

Single-nucleotide polymorphisms in soybean/ Zhu Y L Song Q J Hyten D L Tassell C P van Matukumalli L K Grimm D R Hyatt S M Fickus E W Young N D Cregan P B,VariantC. P. van Tassell

Genetics. 2003. 163 (3). 1123-1134,CD Volume412

Keywords : complementary-DNA. genes. genetic-polymorphism. genetic-variation. genotypes. haplotypes. linkage-disequilibrium. nucleotide-sequences. polymerase-chain-reaction. soyabeans

Assessing probability of ancestry using simple sequence repeat profiles applications to maize inbred lines and soybean varieties/ Berry D A Seltzer J D Xie C Q Wright D L Jones E S Sebastian S Stephen J Smith C

Genetics. 2003. 165 (1). 331-342,CD Volume412

Keywords : algorithms. inbred-lines. maize. microsatellites. parentage. simulation-models. soyabeans

Genotypic differences in root anatomy affecting water movement through roots of soybean/ Rincon C A Raper C D Jr Patterson R P

International Journal of Plant Sciences. 2003. 164 (4). 543-551,CD Volume423,Print Article Pages 543-551

Keywords : cortex. cultivars. genetic-variation. hydraulic-conductivity. plant-anatomy. plant-water-relations. roots. soyabeans. stele. water-uptake. xylem

Effect of soybean meal particle size on amino acid and energy digestibility in grower-finisher swine/ Fastinger N D Mahan D C

Journal of Animal Science. 2003. 81 (3). 697-704,CD Volume410

Keywords : amino-acids. digestibility. energy. fattening-performance. ileum. nutrition. particle-size. soyabean-oilmeal. soyabeans

Determining whether transgenic and endogenous plant DNA and transgenic protein are detectable in muscle from swine fed Roundup Ready soybean meal/ Jennings J C Kolwyck D C Kays S B Whetsell A J Surber J B Cromwell G L Lirette R P Glenn K C

Journal of Animal Science. 2003. 81 (6). 1447-1455,CD Volume410

Keywords : chemical-composition. diets. DNA. feeds. food-safety. genes. pigmeat. soyabeans. transgenic-plants

The effect of supplementing microbial phytase and organic acids to a corn-soybean based diet fed to early-weaned pigs

/Omogbenigun F O Nyachoti C M Slominski B A

Journal of Animal Science. 2003. 81 (7). 1806-1813,CD Volume410

Keywords : diet. digestibility. feed-additives. feed-intake. feed-supplements. liveweight-gain. maize. organic-acids. phytase. soyabeans

Evaluating processing temperature and feeding value of extruded-expelled soybean meal on nursery and finishing pig growth performance/ Webster M J Goodband R D Tokach M D Nelssen J L Dritz S S Woodworth J C Llata M de la Said N W

Journal of Animal Science. 2003. 81 (8). 2032-2040,CD Volume410

Keywords : carcass-quality. diets. fat. finishing. growth-rate. liveweight-gain. nutritive-value. pig-feeding. soyabean-oilmeal. temperature

Effects of soybean meal particle size on growth performance of nursery pigs/
Lawrence K R Hastad C W Goodband R D Tokach M D Dritz S S Nelssen J
L DeRouchey J M Webster M J

Journal of Animal Science. 2003. 81 (9). 2118-2122, CD Volume410

**Keywords : fattening-performance. growth. growth-rate. nutrition.
nutritive-value. particle-size. piglets. soyabean-oilmeal.
soyabeans**

Use of carbohydrases in corn-soybean meal-based nursery diets/ Kim S W
Knabe D A Hong K J Easter R A

Journal of Animal Science. 2003. 81 (10). 2496-2504, CD Volume410

**Keywords : amino-acids. carbohydrates. diets. digestibility. enzyme-
preparations. feed-additives. feed-conversion-efficiency.
feed-supplements. feeds. glycosidases. liveweight-gain.
lysine. maize-meal. raffinose. soyabean-oilmeal. stachyose.
threonine. tryptophan. villi**

Determination of true digestive utilization of phosphorus and the endogenous
phosphorus outputs associated with soybean meal for growing pigs/ Ajakaiye
A Fan M Z Archbold T Hacker R R Forsberg C W Phillips J P

Journal of Animal Science. 2003. 81 (11). 2766-2775, CD Volume410

**Keywords : chromic-oxide. diets. digestibility. nutrition-physiology.
phosphorus. soyabean-oilmeal**

Reduction of aflatoxins by Korean soybean paste and its effect on cytotoxicity
and reproductive toxicity - Part 2. Antigenotoxic effects of the methanol
extract of Korean soybean paste (doen-jang) on aflatoxin B1-induced
bacterial reverse mutation and chromosome aberration/ Kim JongGyu Lee
YongWook Shintani H

Journal of Food Protection. 2003. 66 (3). 431-435, CD Volume411

**Keywords : aflatoxins. back-mutations. chromosome-aberrations.
cytotoxicity. food-pastes. genotoxicity. in-vitro. medicinal-
properties. methanol. soyabean-products**

Reduction of aflatoxins by Korean soybean paste and its effect on cytotoxicity
and reproductive toxicity - Part 3. Inhibitory effects of Korean soybean paste
(doen-jang) on aflatoxin toxicity in laying hens and aflatoxin accumulation in

their eggs/ Kim JongGyu Lee YongWook Kim PanGyi Roh WooSup Shintani H

Journal of Food Protection. 2003. 66 (5). 866-873,CD Volume411

Keywords : aflatoxins. alanine-aminotransferase. calcium. contaminants. contamination. egg-production. eggs. feed-intake. gamma-glutamyltransferase. hens. lactate-dehydrogenase. lesions. liver. liveweight. mycotoxins. organs. pastes. phosphorus. poultry. soyabeans. toxicity. weight

Genetic gains and correlations between yield and insect resistance traits in soybean/ Moura M F Vencovsky R De Moraes L K De Aguiar A V Moura N F Pinheiro J B

Journal of Genetics & Breeding. 57(4). 2003. 341-348,CD Volume435,Print Article Pages 341-348

Keywords : indirect-response; Glycine-max; selection; stink-bug-complex

Impact of herbicides on Heterodera glycines-susceptible and -resistant soybean cultivars/ Bradley C A Noel G R Grau C R Gaska J M Kurtzweil N C MacGuidwin A E Wax L M Hartman G L Pedersen W L

Journal of Nematology. 2003. 35 (1). 88-97,CD Volume418,Print Article Pages 88-97

Keywords : acifluorfen. crop-yield. cultivars. herbicides. imazethapyr. metribuzin. nontarget-effects. nontarget-organisms. pendimethalin. plant-parasitic-nematodes. plant-pests. pods. reproduction. roots. soyabeans. stress-factors. varietal-resistance. varietal-susceptibility. yield-components

Population dynamics of Heterodera glycines in conventional tillage and no-tillage soybean/corn cropping systems/ Noel G R Wax L M

Journal of Nematology. 2003. 35 (1). 104-109,CD Volume418,Print Article Pages 104-109

Keywords : crop-yield. cultivars. maize. no-tillage. plant-parasitic-nematodes. plant-pests. population-dynamics. rotations. soyabeans. tillage. varietal-reactions

Molecular characterization of arginine kinases in the soybean cyst nematode (*Heterodera glycines*)/ Matthews B F MacDonald M H Thai V K Tucker M L
Journal of Nematology. 2003. 35 (3). 252-258,CD Volume418,Print Article Pages 252-258

Keywords : amino-acid-sequences. amino-acids. characterization. DNA-sequencing. enzymes. gene-expression. genes. molecular-weight. nucleotide-sequences. open-reading-frames. peptides. phylogenetics. plant-parasitic-nematodes. plant-pests. soyabeans. taxonomy

Long-term effect of micronutrients and FYM on yield of and nutrient uptake by soybean on a Typic Chromustert/ Vyas M D Jain A K Tiwari R J
Journal of the Indian Society of Soil Science. 2003. 51 (1). 45-47,CD Volume422,Print Article Pages 45-47

Keywords : boron. clay-loam-soils. crop-yield. farmyard-manure. long-term-experiments. molybdenum. NPK-fertilizers. nutrient-balance. nutrient-content. nutrient-uptake. nutritional-state. sodium-molybdate. soil-types. soyabeans. Vertisols. zinc

Soybean and milk proteins modified by transglutaminase improves chicken sausage texture even at reduced levels of phosphate/ Muguruma M Tsuruoka K Katayama K Erwanto Y Kawahara S Yamauchi K Sathe S K Soeda T
Meat Science. 2003. 63 (2). 191-197,CD Volume406

Keywords : casein. chicken-meat. heat-stability. milk-protein. phosphate. poultry. protein-isolates. sausages. sodium-tripolyphosphate. soya-protein. texture. whey-protein

A chorismate mutase from the soybean cyst nematode *Heterodera glycines* shows polymorphisms that correlate with virulence/ Bekal S Niblack T L Lambert K N

Molecular Plant-Microbe Interactions. 2003. 16 (5). 439-446,CD Volume414

Keywords : complementary-DNA. enzyme-activity. enzymes. gene-expression. genes. genetic-polymorphism. glands-(animal). oesophagus. plant-parasitic-nematodes.

Extracellular proteins involved in soybean cultivar-specific nodulation are associated with pilus-like surface appendages and exported by a type III protein secretion system in *Sinorhizobium fredii* USDA257/ Krishnan H B Lorio J Kim W S Jiang G Q Kim YongKil DeBoer M Pueppke S G

Molecular Plant-Microbe Interactions. 2003. 16 (7). 617-625, CD Volume414

Keywords : cultivars. mutations. nodulation. pili. proteins. secretion. soil-bacteria. soyabeans

Genetic and physical localization of the soybean Rpg1-b disease resistance gene reveals a complex locus containing several tightly linked families of NBS-LRR genes/ Ashfield T Bocian A Held D Henk A D Marek L F Danesh D Penuela S Meksem K Lightfoot D A Young N D Shoemaker R C Innes R W

Molecular Plant-Microbe Interactions. 2003. 16 (9). 817-826, CD Volume414

Keywords : alleles. disease-resistance. genes. genetic-polymorphism. linkage-groups. loci. phylogenetics. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. soyabeans

Lactofen induces isoflavone accumulation and glyceollin elicitation competency in soybean/ Landini S Graham M Y Graham T L

Phytochemistry. 2003. 62 (6). 865-874, CD Volume405

Keywords : cell-walls. cotyledons. daidzein. disease-resistance. formononetin. fungal-diseases. genistein. herbicides. induced-resistance. lactofen. necrosis. phytoalexins. plant-diseases. plant-pathogenic-fungi. plant-pathogens. plant-tissues. rose-Bengal. soyabeans

Soybean isoflavones inhibit tumor necrosis factor- alpha -induced apoptosis and the production of interleukin-6 and prostaglandin E2 in osteoblastic cells/ Suh KwangSik Koh Gwanpyo Park CheolYoung Woo JeongTaek Kim SungWoon Kim JinWoo Park InKook Kim YoungSeol

Phytochemistry. 2003. 63 (2). 209-215, CD Volume405

Keywords : apoptosis. bones. cell-lines. cells. cytokines. daidzein. genistein. in-vitro. interleukin-1. interleukin-6. isoflavones. nitric-oxide. prostaglandins. soyabeans. tumour-necrosis-factor

3,4-Dichloroaniline is detoxified and exported via different pathways in Arabidopsis and soybean/ Lao SiHouy Loutre C Brazier M Coleman J O D Cole D J Edwards R Theodoulou F L

Phytochemistry. 2003. 63 (6). 653-661, CD Volume405

Keywords : 3,4-dichloroaniline. acyltransferases. biochemical-pathways. biosynthesis. enzyme-activity. enzymes. herbicide-residues. hexosyltransferases. in-vitro-culture. metabolic-detoxification. metabolism. roots. soyabeans. tissue-culture

Metabolic engineering to increase isoflavone biosynthesis in soybean seed/ Yu O Shi J Hession A O Maxwell C A McGonigle B Odell J T

Phytochemistry. 2003. 63 (7). 753-763, CD Volume405

Keywords : anthocyanins. biochemical-pathways. biosynthesis. chemical-composition. daidzein. enzymes. gene-expression. genes. genetic-engineering. genistein. isoflavones. phenylpropanoids. plant-composition. seeds. soyabeans. transcription-factors

Molecular and structural analysis of electrophoretic variants of soybean seed storage proteins/ Maruyama N Fukuda T Saka S Inui N Kotoh J Miyagawa M Hayashi M Sawada M Moriyama T Utsumi S

Phytochemistry. 2003. 64 (3). 701-708, CD Volume405

Keywords : amino-acid-sequences. chemical-composition. chemical-structure. enzymes. glycosidases. plant-composition. plant-proteins. polypeptides. soyabeans

Morphologic, molecular, and pathogenic characterization of Diaporthe phaseolorum variability in the core soybean-producing area of Argentina/ Pioli R N Morandi E N Martinez M C Lucca F Tozzini A Bisaro V Hopp H E

Phytopathology. 2003. 93 (2). 136-146, CD Volume413

Keywords : ci. conidia. cultivars. disease-resistance. DNA. fungal-diseases. fungal-morphology. fungal-spores. genes. genetic-markers. genetic-variation. genomes. genotypes. pathogenicity. plant-diseases. plant-pathogenic-fungi. plant-pathogens. pycnidia. races. soyabeans. virulence

Bayesian logistic regression of soybean Sclerotinia stem rot prevalence in the U.S. North-Central Region accounting for uncertainty in parameter estimation/ Mila A L Yang X B Carriquiry A L

Phytopathology. 2003. 93 (6). 758-764,CD Volume413

Keywords : Bayesian-theory. disease-prevalence. epidemiology. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

The N-terminal region of the readthrough domain is closely related to aphid vector specificity of soybean dwarf virus

/Terauchi H Honda K Yamagishi N Kanematsu S Ishiguro K Hidaka S

Phytopathology. 2003. 93 (12). 1560-1564,CD Volume413

Keywords : amino-acid-sequences. coat-proteins. disease-transmission. disease-vectors. DNA-sequencing. insect-pests. open-reading-frames. phylogenetics. plant-diseases. plant-pathogens. plant-pests. soyabeans. Taxonomy IdentifiersLuteoviridae. soybean dwarf virus

First report of Phakopsora pachyrhizi, the causal organism of soybean rust in the Province of Misiones, Argentina/ Rossi R L

Plant Disease. 2003. 87 (1). 102,CD Volume415

Keywords : fungal-diseases. geographical-distribution. leaves. new-geographic-records. pathogenicity. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Pathogenic diversity of Phytophthora sojae in Ohio soybean fields/ Dorrance A E McClure S A Silva A de

Plant Disease. 2003. 87 (2). 139-146,CD Volume415

Keywords : adaptation. disease-resistance. fungal-diseases. genes. genetic-variation. pathotypes. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. tillage. virulence

Evaluation of soybean resistance to Sclerotinia stem rot using reciprocal grafting/ Vuong T D Hartman G L

Plant Disease. 2003. 87 (2). 154-158,CD Volume415

Keywords : cultivars. disease-resistance. fungal-diseases. grafting. inoculation. methodology. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. survival. techniques. varietal-resistance

First report of charcoal rot (*Macrophomina phaseolina*) on soybean in Minnesota/ El Araby M E Kurle J E Stetina S R
Plant Disease. 2003. 87 (2). 202,CD Volume415

Keywords : fungal-diseases. geographical-distribution. new-geographic-records. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Effect of partial resistance on *Phytophthora* stem rot incidence and yield of soybean in Ohio/ Dorrance A E McClure S A St Martin S K
Plant Disease. 2003. 87 (3). 308-312,CD Volume415

Keywords : chemical-control. crop-yield. cultivars. disease-resistance. fungal-diseases. fungicides. gene-expression. genes. incidence. metalaxyl. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Soybean seedcoat mottling association with Soybean mosaic virus and *Phomopsis* spp. seed infection/ Koning G TeKrony D M Ghabrial S A
Plant Disease. 2003. 87 (4). 413-417,CD Volume415

Keywords : fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. testas

First report of koch's postulates completion of sudden death syndrome of soybean in Argentina/ Scandiani M Ruberti D Pioli R Luque A Giorda L
Plant Disease. 2003. 87 (4). 447,CD Volume415

Keywords : fungal-diseases. geographical-distribution. new-geographic-records. plant-diseases. plant-pathogenic-fungi. plant-pathogens. roots. soyabeans

First report of sudden death syndrome (*Fusarium solani* f. sp. *glycines*) of soybean in Minnesota/ Kurle J E Gould S L Lewandowski S M Li S Yang X B
Plant Disease. 2003. 87 (4). 449,CD Volume415

Keywords : aetiology. fungal-diseases. geographical-distribution. new-geographic-records. pathogenicity. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. symptoms

Planting date and cultivar effects on soybean yield, seed quality, and Phomopsis sp. seed infection/ Wrather J A Sleper D A Stevens W E Shannon J G Wilson R F

Plant Disease. 2003. 87 (5). 529-532, CD Volume415

Keywords : crop-yield. cultivars. disease-resistance. fatty-acids. plant-pathogenic-fungi. plant-pathogens. planting-date. seed-germination. seed-quality. seed-testing. seeds. soyabeans

Temperature, moisture, and seed treatment effects on Rhizoctonia solani root rot of soybean/ Dorrance A E Kleinhenz M D McClure S A Tuttle N T

Plant Disease. 2003. 87 (5). 533-538, CD Volume415

Keywords : chemical-control. fungal-diseases. fungicides. hypocotyls. plant-disease-control. plant-diseases. plant-height. plant-pathogenic-fungi. plant-pathogens. roots. seed-treatment. soil-water. soyabeans. stand-characteristics. temperature. water-holding-capacity

Relative longevity of Macrophomina phaseolina and associated mycobiota on residual soybean roots in soil/ Baird R E Watson C E Scruggs M

Plant Disease. 2003. 87 (5). 563-566, CD Volume415

Keywords : fungal-diseases. longevity. plant-diseases. plant-pathogenic-fungi. plant-pathogens. plant-tissues. root-systems. roots. sandy-loam-soils. soil-depth. soil-types. soyabeans. survival

First report of charcoal rot on soybean caused by Macrophomina phaseolina in North Dakota/ Bradley C A Rio L E del

Plant Disease. 2003. 87 (5). 601, CD Volume415

Keywords : fungal-diseases. geographical-distribution. new-geographic-records. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. symptoms

Soybean cyst nematode reduces soybean yield without causing obvious aboveground symptoms/ Wang J Niblack T L Tremain J A Wiebold W J Tylka G L Marett C C Noel G R Myers O Schmidt M E
Plant Disease. 2003. 87 (6). 623-628,CD Volume415

Keywords : **biomass-production. crop-yield. growth. infestation. leaves. pest-resistance. plant-development. plant-height. plant-parasitic-nematodes. plant-pests. pods. seed-development. seeds. soyabeans. Stems CopyrightCopyright CAB International**

Response of soybean sudden death syndrome to subsoil tillage/ Vick C M Chong S K Bond J P Russin J S
Plant Disease. 2003. 87 (6). 629-632,CD Volume415

Keywords : **bulk-density. fungal-diseases. no-tillage. plant-diseases. plant-pathogenic-fungi. plant-pathogens. porosity. roots. soil-compaction. soil-water. soyabeans. subsoiling. tillage**

Heterodera glycines infection increases incidence and severity of brown stem rot in both resistant and susceptible soybean/ Tabor G M Tylka G L Behm J E Bronson C R
Plant Disease. 2003. 87 (6). 655-661,CD Volume415

Keywords : **cultivars. disease-resistance. fungal-diseases. pest-resistance. plant-diseases. plant-parasitic-nematodes. plant-pathogenic-fungi. plant-pathogens. plant-pests. soyabeans. stems**

Response of commercially developed soybean cultivars and the ancestral soybean lines to Fusarium solani f.sp. glycines/ Mueller D S Nelson R L Hartman G L Pedersen W L
Plant Disease. 2003. 87 (7). 827-831,CD Volume415

Keywords : **cultivars. disease-resistance. fungal-diseases. lines. plant-diseases. plant-pathogenic-fungi. plant-pathogens. Soyabeans,IdentifiersFusarium solani f.sp. glycines**

Impact of management practices on prevalence of soybean Sclerotinia stem rot in the North-Central United States and on farmers' decisions under uncertainty/ Mila A L Carriquiry A L Zhao J Yang X B

Plant Disease. 2003. 87 (9). 1048-1058,CD Volume415

Keywords : air-temperature. chemical-control. cultural-control. farmers. fertilizers. fungicides. herbicides. manures. plant-disease-control. plant-pathogenic-fungi. plant-pathogens. precipitation. seed-treatment. soyabeans. tillage

A survey of viruses affecting faba bean (*Vicia faba*) in Tunisia includes first record of Soybean dwarf virus/ Asma Najar Kumari S G Makkouk K M Abderazzek Daaloul

Plant Disease. 2003. 87 (9). 1151,CD Volume415

Keywords : disease-vectors. faba-beans. insect-pests. plant-diseases. plant-pathogens. plant-pests. new-geographic-records. geographical-distribution

Distribution of leaf-feeding beetles and bean pod mottle virus (BPMV) in Illinois and transmission of BPMV in soybean/ Mabry T R Hobbs H A Steinlage T A Johnson B B Pedersen W L Spencer J L Levine E Isard S A Domier L L Hartman G L

Plant Disease. 2003. 87 (10). 1221-1225,CD Volume415

Keywords : disease-distribution. disease-transmission. disease-vectors. geographical-distribution. insect-pests. plant-diseases. plant-pathogens. plant-pests. soyabeans

Occurrence of seed coat mottling in soybean plants inoculated with bean pod mottle virus and soybean mosaic virus/ Hobbs H A Hartman G L Wang Y Hill C B Bernard R L Pedersen W L Domier L L

Plant Disease. 2003. 87 (11). 1333-1336,CD Volume415

Keywords : disease-resistance. genes. plant-diseases. plant-pathogens. soyabeansIdentifiersbean pod mottle virus. Comoviridae. Comovirus. Potyviridae. Potyvirus. soybean mosaic virusCopyrightCopyright CAB International

G7H, a new Soybean mosaic virus strain its virulence and nucleotide sequence of CI gene/ Kim YulHo Kim OkSun Lee BongChoon Moon JungKyung Lee SangChul Lee JangYong

Plant Disease. 2003. 87 (11). 1372-1375,CD Volume415

Keywords : cultivars. genes. nucleotide-sequences. plant-pathogens. soyabeans. strains

First report of hypocotyl and root rot disease caused by *Pythium deliense* on soybean sprouts in Korea/ Yun S C Kim J *Plant Disease*. 2003. 87 (11). 1399,CD Volume415

Keywords : fungal-diseases. hypocotyls. plant-diseases. plant-pathogenic-fungi. plant-pathogens. roots. soyabeans. symptoms. new-geographic-records. geographical-distribution Copyright CAB International

Evaluation of resistance screening methods for *Sclerotinia* stem rot of soybean and dry bean/ Kull L S Vuong T D Powers K S Eskridge K M Steadman J R Hartman G L

Plant Disease. 2003. 87 (12). 1471-1476,CD Volume415

Keywords : cotyledons. disease-resistance. fungal-diseases. inoculation. leaves. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. Stems Organism Keywordsfungi. Glycine-(Fabaceae). Glycine-max. Phaseolus-vulgaris. Sclerotinia-sclerotiorum

Molecular detection of *Fusarium solani* f. sp. *glycines* in soybean roots and soil/ Li S Hartman G L

Plant Pathology. 2003. 52 (1). 74-83,CD Volume422,Print Article Pages 74-83

Keywords : detection. fungal-diseases. genes. methodology. plant-diseases. plant-pathogenic-fungi. plant-pathogens. polymerase-chain-reaction. RNA. roots. soil. soyabeans. techniques

First report of groundnut leafminer, *Aproaerema modicella* (Deventer) (Lepidoptera Gelechiidae) on groundnut, soybean and lucerne in South Africa/ Plessis H du

South African Journal of Plant and Soil. 2003. 20 (1). 48,CD Volume423,Print Article Pages 48

Keywords : crop-yield. groundnuts. insect-pests. leaf-miners. lucerne. new-geographic-records. plant-pests. soyabeans. yield-losses

Comparison of engine performance and emissions for petroleum diesel fuel, yellow grease biodiesel, and soybean oil biodiesel/ Canakci M Gerpen J H van

Transactions of the ASAE. 2003. 46 (4). 937-944,CD Volume420,Print Article Pages 937-944

Keywords : animal-fat. bioenergy. cooking-oils. cylinders. diesel-engines. diesel-oil. emission. equipment-performance. esters. fatty-acids. food-wastes. performance-tests. petroleum. soyabean-oil. soyabeans

Estimating potential economic return for variable soybean variety management/ Paz J O Batchelor W D Jones J W

Transactions of the ASAE. 2003. 46 (4). 1225-1233,CD Volume420,Print Article Pages 1225-1233

Keywords : crop-yield. simulation-models. soyabeans. variety-trials

Interference of redroot pigweed (*Amaranthus retroflexus*), Palmer amaranth (*A. palmeri*), and common waterhemp (*A. rudis*) in soybean/ Bensch C N Horak M J Peterson D

Weed Science. 2003. 51 (1). 37-43,CD Volume422,Print Article Pages 37-43

Keywords : allelopathy. competitive-ability. crop-weed-competition. crop-yield. emergence. plant-density. planting-date. seeds. soyabeans. weeds. yield-losses

Glyphosate and shade effects on glyphosate-resistant soybean defense response to *Sclerotinia sclerotiorum*/ Lee C D Penner D Hammerschmidt R

Weed Science. 2003. 51 (3). 294-298,CD Volume422,Print Article Pages 294-298

Keywords : antifungal-properties. cultivars. defence-mechanisms. fungal-diseases. glyceollin. glyphosate. herbicide-resistance. herbicides. hyphae. pest-resistance. plant-diseases. plant-extracts. plant-pathogenic-fungi. plant-pathogens. shading. soyabeans

Predicting soybean yield loss in giant foxtail (*Setaria faberi*) and common lambsquarters (*Chenopodium album*) communities/ Conley S P Stoltenberg D E Boerboom C M Binning L K

Weed Science. 2003. 51 (3). 402-407, CD Volume422m, Print Article Pages 402-407

Keywords : competitive-ability. crop-density. crop-losses. crop-weed-competition. crop-yield. leaf-area. plant-communities. plant-height. prediction. shoots. soyabeans. temporal-variation. weed-competition. weeds. yield-losses

Glyphosate-resistant soybean response to various salts of glyphosate and glyphosate accumulation in soybean nodules/ Reddy K N Zablotowicz R M

Weed Science. 2003. 51 (4). 496-502, CD Volume422, Print Article Pages 496-502

Keywords : chemical-control. chlorophyll. crop-yield. glyphosate. growth. herbicide-resistance. herbicides. leghaemoglobin. nitrogen-content. nodulation. nodules. soyabeans. weed-control. weeds

Effect of purple (*Cyperus rotundus*) and yellow nutsedge (*C. esculentus*) on growth and reflectance characteristics of cotton and soybean/ Leon C T Shaw D R Bruce L M Watson C

Weed Science. 2003. 51 (4). 557-564, CD Volume422, Print Article Pages 557-564

Keywords : cotton. crop-weed-competition. growth. leaves. plant-development. reflectance. soyabeans. weeds

Impact of common ragweed (*Ambrosia artemisiifolia*) aggregation on economic thresholds in soybean/ Cowbrough M J Brown R B Tardif F J

Weed Science. 2003. 51 (6). 947-954, CD Volume422, Print Article Pages 947-954

Keywords : crop-weed-competition. crop-yield. economic-thresholds. seed-characteristics. seeds. soyabeans. weeds

Cover crop, tillage, and herbicide effects on weeds, soil properties, microbial populations, and soybean yield/ Reddy K N Zablotowicz R M Locke M A Koger C H

Weed Science. 2003. 51 (6). 987-994, CD Volume422, Print Article Pages 987-994

Keywords : chemical-control. cover-crops. crop-yield. cultural-control. herbicides. integrated-control. organic-amendments. physical-control. plant-density. rye. soil-flora. soyabeans. tillage. weed-control. weeds

Integration of cover crops with postemergence herbicides in no-till corn and soybean/ Gallagher R S Cardina J Loux M

Weed Science. 2003. 51 (6). 995-1001, CD Volume422, Print Article Pages 995-1001

Keywords : application-rates. chemical-control. cover-crops. crop-yield. cultural-control. integrated-control. maize. no-tillage. soyabeans. vetch. weed-control. Weeds

BILIOGRAFI 2004

PROQUEST

Soybean (*Glycine max*) Pollen Germination Characteristics, Flower and Pollen Morphology in Response to Enhanced Ultraviolet-B Radiation/S. KOTI, K. R. REDDY, V. G. KAKANI, D. ZHAO, V. R. REDDY.
Annals of Botany. Oxford: Dec 15, 2004. Vol. 94, Iss. 6; p. 855

Azetidine-induced Accumulation of Class I Small Heat Shock Proteins in the Soluble Fraction Provides Thermotolerance in Soybean Seedlings/Tsung-Luo Jinn, Chi-Chou Chiu, Wei-Wen Song, Yih-Ming Chen, Chu-Yung Lin.
Plant & Cell Physiology. Oxford: Dec 15, 2004. Vol. 45, Iss. 12; p. 1759

Relationships Among Endo-Polygalacturonase, Oxalate, pH, and Plant Polygalacturonase-Inhibiting Protein (PGIP) in the Interaction Between *Sclerotinia sclerotiorum* and Soybean/Francesco Favaron, Luca Sella, Renato D'Ovidio.
Molecular Plant-Microbe Interactions. St. Paul: Dec 2004. Vol. 17, Iss. 12; p. 1402 (8 pages)

Detection and Quantification of *Fusarium solani* f. sp. *glycines* in Soybean Roots with Real-Time Quantitative Polymerase Chain Reaction
X Gao, T A Jackson, K N Lambert, S Li, et al.
Plant Disease. St. Paul: Dec 2004. Vol. 88, Iss. 12; p. 1372 (9 pages)

A Dose-Response Study with the Feed Enzyme [beta]-Mannanase in Broilers Provided with Corn-Soybean Meal Based Diets in the Absence of Antibiotic Growth Promoters/M E Jackson, K Geronian, A Knox, J McNab, E McCartney.
Poultry Science. Savoy: Dec 2004. Vol. 83, Iss. 12; p. 1992 (5 pages)

Evaluation of Broiler Performance When Fed Insect-Protected, Control, or Commercial Varieties of Dehulled Soybean Meal/C A Kan, G F Hartnell.
Poultry Science. Savoy Dec 2004. Vol. 83, Iss. 12; p. 2029 (10 pages)

Characterization of germinating and non-viable soybean seeds by nuclear magnetic resonance (NMR) spectroscopy/P Krishnan, DK Joshi, Shantha Nagarajan, AV Moharir.

Seed Science Research. Cambridge: Dec 2004. Vol. 14, Iss. 4; p. 355 (8 p)

Soybean galactinol synthase forms fagopyritol B1 but not galactopinitols: substrate feeding of isolated embryos and heterologous expression/Ralph L Obendorf, Silvia Odorcic, Takashi Ueda, Mark P Coseo, Elizabeth Vassallo.

Seed Science Research. Cambridge: Dec 2004. Vol. 14, Iss. 4; p. 321 (14 p)

Early-Maturity Soybean in a Late-Maturity Environment: Economic Considerations/M Popp, J Edwards, L Purcell, P Manning.

Agronomy Journal. Madison: Nov/Dec 2004. Vol. 96, Iss. 6; p. 1711 (8 p)

Large-Scale Assessment of Symbiotic Dinitrogen Fixation by Crops: Soybean and Alfalfa in the Mississippi River Basin/Michael P Russelle, Adam S Birr

Agronomy Journal. Madison: Nov/Dec 2004. Vol. 96, Iss. 6; p. 1754 (7 p)

WebGro: A Web-Based Soybean Management Decision Support System/Joel O Paz, William D Batchelor, Palle Pedersen.

Agronomy Journal. Madison: Nov/Dec 2004. Vol. 96, Iss. 6; p. 1771 (9 p)

Agronomic and Seed Characteristics of Soybean with Reduced Phytate and Palmitate/Brent S Hulke, Walter R Fehr, Grace A Welke.

Crop Science. Madison: Nov/Dec 2004. Vol. 44, Iss. 6; p. 2027 (5 pages)

Quantitative Trait Loci Associated with Cell Wall Polysaccharides in Soybean Seed/S K Stombaugh, J H Orf, H G Jung, K Chase, et al.

Crop Science. Madison: Nov/Dec 2004. Vol. 44, Iss. 6; p. 2101 (6 pages)

Registration of an Apetalous Male-Sterile Genetic Stock (T368) of Soybean/R G Palmer, A L Matson, H T Knap.

Crop Science. Madison: Nov/Dec 2004. Vol. 44, Iss. 6; p. 2282 (2 pages)

Soybean Maturity Gene Effects on Seed Coat Pigmentation and Cracking in Response to Low Temperatures/Eduardo R Benitez, Hideyuki Funatsuki, Yukio Kaneko, Yasuo Matsuzawa, et al.

Crop Science. Madison: Nov/Dec 2004. Vol. 44, Iss. 6; p. 2038 (5 pages)

Enhancing the frequency of somatic embryogenesis following agrobacterium-mediated transformation of immature cotyledons of soybean [Glycine Max (L.) MERRILL.]/Tae-Seok Ko, Schuyler S Korban.

In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2004. Vol. 40, Iss. 6; p. 552 (7 pages)

Dried skim milk as a replacement for soybean meal in growing-finishing diets: Effects on growth performance, apparent total-tract nitrogen digestibility, urinary and fecal nitrogen excretion, and carcass traits in pigs^{1,2}/J T Yen, J E Wells, D N Miller.

Journal of Animal Science. Savoy: Nov 2004. Vol. 82, Iss. 11; p. 3338 (8 p)

Ileal amino acid digestibilities by pigs fed soybean meals from five major soybean-producing countries/L K Karr-Lilienthal, N R Merchen, C M Grieshop, M A Flahaven, et al.

Journal of Animal Science. Savoy: Nov 2004. Vol. 82, Iss. 11; p. 3198 (12 p)

Response of Lactating Dairy Cows to Diets Containing Wet Corn Gluten Feed or a Raw Soybean Hull-Corn Steep Liquor Pellet/E E Wickersham, J E Shirley, E C Titgemeyer, M J Brouk, et al.

J. of Dairy Science. Champaign: Nov 2004. Vol. 87, Iss. 11; p. 3899 (13 p)

Photosynthetic response of transgenic soybean plants, containing an Arabidopsis P5CR gene, during heat and drought stress/J A De Ronde, W A Cress, G H J Krüger, R J Strasser, J Van Staden.

Journal of Plant Physiology. Stuttgart: Nov 2004. Vol. 161, Iss. 11; p. 1211 (14 pages)

Profit, yield, and soil quality effects of tillage systems in corn - soybean rotations/Robert A Buman, B A Alesii, Jerry L Hatfield, Douglas L Karlen.

Journal of Soil and Water Conservation. Ankeny: Nov/Dec 2004. Vol. 59, Iss. 6; p. 260 (11 pages)

NopB, a Soybean Cultivar-Specificity Protein from *Sinorhizobium fredii* USDA257, Is a Type III Secreted Protein/Julio C Lorio, Won Seok Kim, Hari B Krishnan.

Molecular Plant-Microbe Interactions. St. Paul: Nov 2004. Vol. 17, Iss. 11; p. 1259 (10 pages)

First Report of Soybean Cyst Nematode (*Heterodera glycines*) on Soybean in North Dakota/C A Bradley, C R Biller, B D Nelson.

Plant Disease. St. Paul: Nov 2004. Vol. 88, Iss. 11; p. 1287 (1 page)

First Report of Soybean dwarf virus on Soybean in Wisconsin/A Phibbs, A Barta, L L Domier.

Plant Disease. St. Paul: Nov 2004. Vol. 88, Iss. 11; p. 1285 (1 page)

Performance Results and Characteristics of Adopters of Genetically Engineered Soybeans in Delaware/John C Bernard, John D Pesek Jr, Chunbo Fan.

Agricultural and Resource Economics Review. Durham: Oct 2004. Vol. 33, Iss. 2; p. 282 (11 pages)

Features of a 103-kb gene-rich region in soybean include an inverted perfect repeat cluster of CHS genes comprising the I locus/Steven J Clough, Jigyasa H Tuteja, Min Li, Laura F Marek, et al.

Genome. Ottawa: Oct 2004. Vol. 47, Iss. 5; p. 819 (13 pages)

Soybean oil supplementation of a high-concentrate diet does not affect site and extent of organic matter, starch, neutral detergent fiber, or nitrogen digestion, but influences both ruminal metabolism and intestinal flow of fatty acids in limit-fed lambs/O Kucuk, B W Hess, D C Rule.

Journal of Animal Science. Savoy: Oct 2004. Vol. 82, Iss. 10; p. 2985 (10 p)

Bioavailability Estimation of DL-Methionine Hydroxy Analogue Relative to DL-Methionine in Layers Fed Milo-Soybean Diets Using Different Regression Models/Z Liu, M M Bryant, D A Roland Sr.

Journal of Applied Poultry Research. Savoy: Fall 2004. Vol. 13, Iss. 3; p. 461 (7 pages)

Quality Control Parameters for Commercial Full-Fat Soybeans Processed by Two Different Methods and Fed to Broilers/N Ruiz, F de Belalcázar, G J Díaz. *Journal of Applied Poultry Research. Savoy: Fall 2004. Vol. 13, Iss. 3; p. 443 (8 pages)*

Patterns of Gene Expression Upon Infection of Soybean Plants by Phytophthora sojae/Pat Moy, Dinah Qutob, B Patrick Chapman, Ian Atkinson, Mark Gijzen.
Molecular Plant-Microbe Interactions. St. Paul: Oct 2004. Vol. 17, Iss. 10; p. 1051 (12 pages)

Occurrence and Relative Incidence of Viruses Infecting Soybeans in Iran/A R Golnaraghi, N Shahraeen, R Pourrahim, Sh Farzadfar, A Ghasemi.
Plant Disease. St. Paul: Oct 2004. Vol. 88, Iss. 10; p. 1069 (6 pages)

Traits of Soybean-Infecting Phytophthora Populations from Illinois Agricultural Fields/D K Malvick, E Grunden.
Plant Disease. St. Paul: Oct 2004. Vol. 88, Iss. 10; p. 1139 (7 pages)

Bacteroid Proline Catabolism Affects N₂ Fixation Rate of Drought-Stressed Soybeans¹/Jason Curtis, Georgia Shearer, Daniel H Kohl.
Plant Physiology. Rockville: Oct 2004. Vol. 136, Iss. 2; p. 3313 (6 pages)

Quantification of Compartmented Metabolic Fluxes in Developing Soybean Embryos by Employing Biosynthetically Directed Fractional ¹³C Labeling, Two-Dimensional [¹³C, ¹H] Nuclear Magnetic Resonance, and Comprehensive Isotopomer Balancing¹[w]/Ganesh Sriram, D Bruce Fulton, Vidya V Iyer, Joan Marie Peterson, et al.
Plant Physiology. Rockville: Oct 2004. Vol. 136, Iss. 2; p. 3043 (15 pages)

Real-Time PCR Detection of Lactic Acid Bacteria in Cecal Contents of Eimeria tenella-Infected Broilers Fed Soybean Oligosaccharides and Soluble Soybean Polysaccharides/Y Lan, S Xun, S Tamminga, B A Williams, et al
Poultry Science. Savoy: Oct 2004. Vol. 83, Iss. 10; p. 1696 (7 pages)

CASE STUDY: Comparison of Swine Diets Containing a Food Waste Product Made with Wheat Middlings and Corn or a Corn/Soybean Diet^{1,2}/J Jones, M L Westendorf, J E Wohlt.

Professional Animal Scientist. Champaign: Oct 2004. Vol. 20, Iss. 5; p. 422 (7 pages)

Influence of Certain Postemergence Broadleaf Herbicides on Soybean Stressed from Iron Deficiency Chlorosis/D W Franzen, J H O'Barr, R K Zollinger.

Agronomy Journal. Madison: Sep/Oct 2004. Vol. 96, Iss. 5; p. 1357 (7 pages)

Repeated Biomass Removal Affects Soybean Resource Utilization and Yield/Jeremy W Singer, David W Meek.

Agronomy Journal. Madison: Sep/Oct 2004. Vol. 96, Iss. 5; p. 1382 (8 pages)

Response of Soybean Yield Components to Management System and Planting Date/Palle Pedersen, Joseph G Lauer.

Agronomy Journal. Madison: Sep/Oct 2004. Vol. 96, Iss. 5; p. 1372 (10 p)

Soil Surface Property and Soybean Yield Response to Corn Stover Grazing/Justin T Clark, James R Russell, Douglas L Karlen, P L Singleton,

Agronomy Journal. Madison: Sep/Oct 2004. Vol. 96, Iss. 5; p. 1364 (8 pages)

Economic Risks of Soybean Rust in the U.S. Vary by Region/Stan Daberkow.

Amber Waves. Washington: Sep 2004. Vol. 2, Iss. 4; p. 8 (1 page)

Structural Change Brings New Challenges to Soybean Price Forecasts/Gerald Plato, William Chambers.

Amber Waves. Washington: Sep 2004. Vol. 2, Iss. 4; p. 5 (1 page)

Pod Set Related to Photosynthetic Rate and Endogenous ABA in Soybeans Subjected to Different Water Regimes and Exogenous ABA and BA at Early Reproductive Stages/Fulai Liu, Christian R. Jensen, Mathias N. Andersen.

Annals of Botany. Oxford: Sep 2004. Vol. 94, Iss. 3; p. 405

Effect of soybean stem growth habit on height and node number after beginning bloom in the midsouthern USA/Larry G Heatherly, James R Smith.
Crop Science. Madison: Sep/Oct 2004. Vol. 44, Iss. 5; p. 1855 (4 pages)

Registration of 'Ozark' Soybean/P Chen, C H Sneller, J C Rupe, R D Riggs.
Crop Science. Madison: Sep/Oct 2004. Vol.

Screening Multiple Soybean Cultivars (MG 00 to MG VIII) for Somatic Embryogenesis Following Agrobacterium-Mediated Transformation of Immature Cotyledons/Tae-Seok Ko, Randall L Nelson, Schuyler S Korban
Crop Science. Madison: Sep/Oct 2004. Vol. 44, Iss. 5; p. 1825 (7 pages)

Feeding encapsulated ground full-fat soybeans to increase polyunsaturated fat concentrations and effects on flavor volatiles in fresh lamb/J H Lee, J C Waller, S L Melton, A M Saxton, L O Pordesimo.
Journal of Animal Science. Savoy: Sep 2004. Vol. 82, Iss. 9; p. 2734 (8 pages)

Lipids Rich in Phosphatidylethanolamine from Natural Gas-Utilizing Bacteria Reduce Plasma Cholesterol and Classes of Phospholipids: A Comparison with Soybean Oil/Hanne Müller, Lars I Hellgren, Elisabeth Olsen, Anders Skrede
Lipids. Champaign: Sep 2004. Vol. 39, Iss. 9; p. 833 (9 pages)

Recent Outbreak of Soybean Sudden Death Syndrome Caused by *Fusarium virguliforme* and *F. tucumaniae* in Argentina/M Scandiani, D Ruberti, K O'Donnell, T Aoki, et al.
Plant Disease. St. Paul: Sep 2004. Vol. 88, Iss. 9; p. 1044 (1 page)

Resistance of Soybean Cultivars to Field Populations of *Heterodera glycines* in North Carolina/S R Koenning.
Plant Disease. St. Paul: Sep 2004. Vol. 88, Iss. 9; p. 942 (9 pages)

Soybean Root Systems and Sudden Death Syndrome Severity: Taproot and Lateral Root Infection/Loretta M Ortiz-Ribbing, Darin M Eastburn.
Plant Disease. St. Paul: Sep 2004. Vol. 88, Iss. 9; p. 1011 (6 pages)

Down-Regulation of DELLA Genes Is Not Essential for Germination of Tomato, Soybean, and Arabidopsis Seeds/George W Bassel, Elzbieta Zielinska, Robert T Mullen, J Derek Bewley.

Plant Physiology. Rockville: Sep 2004. Vol. 136, Iss. 1; p. 2782 (8 pages)

Response of Turkey Poults to Soybean Lectin Levels Typically Encountered in Commercial Diets. 1. Effect on Growth and Nutrient Digestibility/Y O Fasina, J D Garlich, H L Classen, P R Ferket, et al.

Poultry Science. Savoy: Sep 2004. Vol. 83, Iss. 9; p. 1559 (13 pages)

Critical Leaf Potassium Concentrations for Yield and Seed Quality of Conservation-Till Soybean/Xinhua Yin, Tony J Vyn.

Soil Science Society of America Journal. Madison: Sep/Oct 2004. Vol. 68, Iss. 5; p. 1626 (9 pages)

Cracks in the Palisade Cuticle of Soybean Seed Coats Correlate with their Permeability to Water/Fengshan Ma, Ewa cholewa, TAsneem Mohamed, Carol A. Peterson, Mark Gijzen.

Annals of Botany. Oxford: Aug 2004. Vol. 94, Iss. 2; p. 213

Application of comparative genomics to narrow-leafed lupin (*Lupinus angustifolius* L.) using sequence information from soybean and Arabidopsis/Michael G Francki, Daniel J Mullan.

Genome. Ottawa: Aug 2004. Vol. 47, Iss. 4; p. 623 (10 pages)

Segmental duplications within the Glycine max genome revealed by fluorescence in situ hybridization of bacterial artificial chromosomes/Janice Pagel, Jason G Walling, Nevin D Young, Randy C Shoemaker, Scott A Jackson.

Genome. Ottawa: Aug 2004. Vol. 47, Iss. 4; p. 764 (5 pages)

A Bayesian Approach to Optimal Cross-Hedging of Cottonseed Products Using Soybean Complex Futures/Shaiikh Mahfuzur Rahman, Jeffrey H Dorfman, Steven C Turner.

Journal of Agricultural and Resource Economics. Logan: Aug 2004. Vol. 29, Iss. 2; p. 260 (16 pages)

Risk-Adjusted Comparison of Conservation Reserve Program Payments Versus Production Payments for a Corn-Soybean Farmer/Gregory Ibendahl.
Journal of Agricultural and Applied Economics. Athens: Aug 2004. Vol. 36, Iss. 2; p. 425 (10 pages)

Genetic Interactions Between Glycine max and Sclerotinia sclerotiorum Using a Straw Inoculation Method/J Auclair, G J Boland, L M Kohn, I Rajcan.
Plant Disease. St. Paul: Aug 2004. Vol. 88, Iss. 8; p. 891

An In Vivo Analysis of the Effect of Season-Long Open-Air Elevation of Ozone to Anticipated 2050 Levels on Photosynthesis in Soybean/Patrick B Morgan, Carl J Bernacchi, Donald R Ort, Stephen P Long.
Plant Physiology. Rockville: Aug 2004. Vol. 135, Iss. 4; p. 2348 (10 pages)

Roots, Cycles and Leaves. Expression of the Phosphoenolpyruvate Carboxylase Kinase Gene Family in Soybean/Stuart Sullivan, Gareth I Jenkins, Hugh G Nimmo.
Plant Physiology. Rockville: Aug 2004. Vol. 135, Iss. 4; p. 2078 (10 pages)

Enteral Administration of Soybean Phosphatidylcholine Enhances the Lymphatic Absorption of Lycopene, but Reduces That of [alpha]-Tocopherol in Rats/Megumi Nishimukai, Hiroshi Hara.
The Journal of Nutrition. Bethesda: Aug 2004. Vol. 134, Iss. 8; p. 1862 (5 p)

Forage Soybean Yield and Quality Responses to Plant Density and Row Distance/Stefan Seiter, Craig E Altemose, Michael H Davis.
Agronomy Journal. Madison: Jul/Aug 2004. Vol. 96, Iss. 4; p. 966 (5 pages)

Row-Spacing and Seeding Rate Effects on Glyphosate-Resistant Soybean for Mid-Atlantic Production Systems/Robert J Kratochvil, Justin T Pearce, Michael R Harrison Jr.
Agronomy Journal. Madison: Jul/Aug 2004. Vol. 96, Iss. 4; p. 1029 (10 p)

Soybean Growth and Development Response to Rotation Sequence and Tillage System/Palle Pedersen, Joseph G Lauer.
Agronomy Journal. Madison: Jul/Aug 2004. Vol. 96, Iss. 4; p. 1005 (8 pages)

A Decade of QTL Mapping for Cyst Nematode Resistance in Soybean/Vergel C Concibido, Brian W Diers, Prakash R Arelli.

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1121 (11 pages)

Registration of '5002T' Soybean/V R Pantalone, F L Allen, D Landau-Ellis

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1483 (2 pages)

Registration of 'LS94-3207' Soybean/M E Schmidt, J H Klein.

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1482 (2 pages)

Registration of LG92-4208, LG94-1128, LG94-1906, and LG94-4667 Soybean Germplasm/M L Warburton, G L Brown-Guedira, R L Nelson.

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1501 (2 pages)

Registration of D95-6271 Soybean Germplasm Line Resistant to Velvetbean Caterpillar/C A Abel, T C Kilen.

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1495 (2 pages)

Registration of 'LN97-15076' Soybean/B W Diers, T R Cary, D J Thomas, C D Nickell.

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1483 (1 page)

Validation and Designation of Quantitative Trait Loci for Seed Protein, Seed Oil, and Seed Weight from Two Soybean Populations/Vasilias A Fasoula, Donna K Harris, H Roger Boerma.

Crop Science. Madison: Jul/Aug 2004. Vol. 44, Iss. 4; p. 1218 (8 pages)

EST and microarray analyses of pathogen-responsive genes in hot pepper (*Capsicum annuum* L.) non-host resistance against soybean pustule pathogen (*Xanthomonas axonopodis* pv. *glycines*)/Sanghyeob Lee, Soo-Yong Kim, Eunjoon Chung, Young-Hee Joung, et al.

Functional & Integrative Genomics. Heidelberg: Jul 2004. v. 4, Iss. 3; p. 196

Effects of Corn and Soybean Meal Particle Size on Phosphorus Use in Turkey Poults/R A Charbeneau, K D Roberson.

Journal of Applied Poultry Research. Savoy: Summer 2004. Vol. 13, Iss. 2; p. 302 (9 pages)

Effects of Multiple-Enzyme Mixtures on Growth Performance of Broilers Fed Corn-Soybean Meal Diets/Bi Yu, T K Chung.

Journal of Applied Poultry Research. Savoy: Summer 2004. Vol. 13, Iss. 2; p. 178 (5 pages)

Characterization of an NBS-LRR resistance gene homologue from soybean/Bangjun Wang, Yongjun Wang, Qiang Wang, Guangzuo Luo, et al.

Journal of Plant Physiology. Stuttgart: Jul 2004. Vol. 161, Iss. 7; p. 815 (8 p)

Genetic and Phenotypic Analysis of Soybean mosaic virus Resistance in PI 88788 Soybean/Irfan Gunduz, Glenn R Buss, Pengyin Chen, Sue A Tolin

Phytopathology. St. Paul: Jul 2004. Vol. 94, Iss. 7; p. 687 (6 pages)

Resistance to Brown Stem Rot in Soybean Germ Plasm with Resistance to the Soybean Cyst Nematode/T J Hughes, N C Kurtzweil, B W Diers, C R Grau.

Plant Disease. St. Paul: Jul 2004. Vol. 88, Iss. 7; p. 761

Soybean Cultivar and Foliar Fungicide Effects on *Phomopsis* sp. Seed Infection/J A Wrather, J G Shannon, W E Stevens, D A Sleper, A P Arelli.

Plant Disease. St. Paul: Jul 2004. Vol. 88, Iss. 7; p. 721

Phytase, Citric Acid, and 1 [alpha]-Hydroxycholecalciferol Improve Phytate Phosphorus Utilization in Chicks Fed a Corn-soybean Meal Diet/J L Snow, D H Baker, C M Parsons.

Poultry Science. Savoy: Jul 2004. Vol. 83, Iss. 7; p. 1187

Crop cover root channels may alleviate soil compaction effects on soybean crop/Stacey M Williams, Ray R Weil.

Soil Science Society of America Journal. Madison: Jul/Aug 2004. Vol. 68, Iss. 4; p. 1403

Diagnosis of Sulfur Deficiency in Soybean using Seeds/Kiyoko Hitsuda, Gedi J Sfredo, Dirceu Klepker.

Soil Science Society of America Journal. Madison: Jul/Aug 2004. Vol. 68, Iss. 4; p. 1445 (7 pages)

Roasted Full-fat Kidney Bean (*Phaseolus vulgaris* L.) and Soyabeans (*Glycine max*) Meals in Broiler Chicken Diet/D.K. Poné, R.T. Fomunyan
Trop. Ani. Health and Production. Dordrecht: Jul 2004. Vol. 36, Iss. 5; p. 513

A Comparison of the Effects of Carbon Dioxide Concentration and Temperature on Respiration, Translocation and Nitrate Reduction in Darkened Soybean Leaves/JAMES A. BUNCE.
Annals of Botany. Oxford: Jun 2004. Vol. 93, Iss. 6; p. 665 (5 pages)

Soybean hulls as an alternative feed for horses/J A Coverdale, J A Moore, H D Tyler, P A Miller-Auwerda.
Journal of Animal Science. Savoy: Jun 2004. Vol. 82, Iss. 6; p. 1663 (6 pages)

Conjugated Linoleic Acid Increases in Milk When Cows Fed Fish Meal and Extruded Soybeans for an Extended Period of Time*/A A AbuGhazaleh, D J Schingoethe, A R Hippen, K F Kalscheur.
Journal of Dairy Science. Champaign: Jun 2004. Vol. 87, Iss. 6; p. 1758 (9 p)

Photochemical Production of Conjugated Linoleic Acid from Soybean Oil/R R Gangidi, A Proctor.
Lipids. Champaign: Jun 2004. Vol. 39, Iss. 6; p. 577 (6 pages)

Effects of Soil Temperature on Microsclerotia of *Calonectria ilicicola* and Soybean Root Colonization by this Fungus/P U Kuruppu, R W Schneider, J S Russin.
Plant Disease. St. Paul: Jun 2004. Vol. 88, Iss. 6; p. 620 (5 pages)

Factors Affecting Soybean Root Colonization by *Calonectria ilicicola* and Development of Red Crown Rot Following Delayed Planting/P U Kuruppu, R W Schneider, J S Russin.
Plant Disease. St. Paul: Jun 2004. Vol. 88, Iss. 6; p. 613 (7 pages)

Identification of Soybean mosaic virus Strains by RT-PCR/RFLP Analysis of Cylindrical Inclusion Coding Region/Yul-Ho Kim, Ok-Sun Kim, Jae-Hwan Roh, Jung-Kyung Moon, et al.
Plant Disease. St. Paul: Jun 2004. Vol. 88, Iss. 6; p. 641 (4 pages)

Utilization of Energy and Amino Acids of Spray-Dried Egg, Plasma Protein, and Soybean Meal by Ducks/S E Norberg, R N Dilger, H Dong, B G Harmon
Poultry Science. Savoy: Jun 2004. Vol. 83, Iss. 6; p. 939 (7 pages)

Effects of Soybean Meal Sources and Level on Growth Performance of Weanling Pigs/K R Lawrence, R D Goodband, M D Tokach, S S Dritz, et al
Professional Animal Scientist. : Jun 2004. Vol. 20, Iss. 3; p. 237 (9 pages)

Dietary Canola and Soybean Oil Fed to SHRSP Rat Dams Differently Affect the Growth and Survival of Their Male Pups1/Kenjiro Tatematsu, Shin-ya Fuma, Junichi Satoh, Yuko Ichikawa, et al.
The Journal of Nutrition. Bethesda: Jun 2004. Vol. 134, Iss. 6; p. 1347 (6 p)

The [alpha]' Subunit from Soybean 7S Globulin Lowers Plasma Lipids and Upregulates Liver [beta]-VLDL Receptors in Rats Fed a Hypercholesterolemic Diet1/Marcello Duranti, Maria Rosa Lovati, Valeria Dani, Alberto Barbiroli, et al.
The Journal of Nutrition. Bethesda: Jun 2004. Vol. 134, Iss. 6; p. 1334 (6 p)

Deep and Shallow Fall Tillage for Irrigated Soybean Grown with Different Weed Management Systems in the Midsouthern USA/Larry G Heatherly, Stan R Spurlock, C Dennis Elmore.
Agronomy Journal. Madison: May/Jun 2004. Vol. 96, Iss. 3; p. 734 (8 pages)

Periodic Response of Soybean Yields and Economic Returns to Long-Term No-Tillage/Xinhua Yin, Mahdi M Al-Kaisi.
Agronomy Journal. Madison: May/Jun 2004. Vol. 96, Iss. 3; p. 723 (11 p)

Relationship of Corn and Soybean Yield to Soil and Terrain Properties/T C Kaspar, D J Pulido, T E Fenton, T S Colvin, et al.
Agronomy Journal. Madison: May/Jun 2004. Vol. 96, Iss. 3; p. 700 (10 p)

Soybean Yield as Affected by Biomass and Nitrogen Uptake of Cereal Rye in Winter Cover Crop Rotations/Matias L Ruffo, Donald G Bullock, German A Bollero.
Agronomy Journal. Madison: May/Jun 2004. Vol. 96, Iss. 3; p. 800 (6 pages)

Soybean Foliage Residues of Dicamba and 2,4-D and Correlation to Application Rates and Yield/Shane M Andersen, S A Clay, L J Wrage, D Matthees.

Agronomy Journal. Madison: May/Jun 2004. Vol. 96, Iss. 3; p. 750 (11 p)

Weed Management in Nonirrigated Glyphosate-Resistant and Non-Resistant Soybean following Deep and Shallow Fall Tillage/Larry G Heatherly, Stan R Spurlock, Krishna N Reddy.

Agronomy Journal. Madison: May/Jun 2004. Vol. 96, Iss. 3; p. 742 (8 pages)

Reassessment of the pits and antipits in soybean seeds/Fengshan Ma, Carol A Peterson, Mark Gijzen.

Canadian Journal of Botany. Ottawa: May 2004. Vol. 82, Iss. 5; p. 654

Biochemical Response of Soybean Roots to *Fusarium solani* f. sp. *Glycines* Infection/V V Lozovaya, A V Lygin, S Li, G L Hartman, J M Widholm.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 819 (8 pages)

Evaluation of Soybean, Dry Bean, and Sunflower for Resistance to *Sclerotinia sclerotiorum*/T D Vuong, D D Hoffman, B W Diers, J F Miller, et al.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 777 (7 pages)

Near Isogenic Lines Confirm a Soybean Cyst Nematode Resistance Gene from PI 88788 on Linkage Group J/K D Glover, D Wang, P R Arelli, S R Carlson, et al.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 936 (6 pages)

Pedigree Analysis of a Major QTL Conditioning Soybean Resistance to Southern Root-Knot Nematode/Bo-Keun Ha, J Brandon Bennett, Richard S Hussey, Steven L Finnerty, H Roger Boerma.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 758 (6 pages)

Putative Alleles for Increased Yield from Soybean Plant Introductions/E A Kabelka, B W Diers, W R Fehr, A R LeRoy, et al.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 784 (8 pages)

Registration of 'Stalwart' Soybean/R L Cooper, T Mendiola, S K St Martin, R J Fioritto, A E Dorrance.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 1019 (2 pages)

Registration of 'Tara' Soybean/T E Devine, J E McMurtrey III.

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 1020 (2 pages)

Tocopherol Content of Soybean Lines with Reduced Linolenate in the Seed Oil/Kristen L McCord, Walter R Fehr, Tong Wang, Grace A Welke, et al

Crop Science. Madison: May/Jun 2004. Vol. 44, Iss. 3; p. 772 (5 pages)

Introduction and constitutive expression of a tobacco hornworm (*Manduca sexta*) Chitinase gene in soybean/Ornatowski, J Jayaraj, T C Todd, W T Schapaugh, et al.

In Vitro Cellular & Developmental Biology. Columbia: May/Jun 2004. Vol. 40, Iss. 3; p. 260 (6 pages)

Impact of Glyphosate on the Bradyrhizobium japonicum Symbiosis with Glyphosate-Resistant Transgenic Soybean: A Minireview/Robert M Zablutowicz, Krishna N Reddy.

Journal of Environmental Quality. Madison: May/Jun 2004. Vol. 33, Iss. 3; p. 825 (7 pages)

Dark chilling inhibition of photosynthesis and symbiotic nitrogen fixation in soybean during pod filling/P D Riekert van Heerden, Gert H J Kruger.

J. of Plant Physiology. Stuttgart: May 2004. Vol. 161, Iss. 5; p. 599 (11 p)

Assessment of the Potential Year-Round Establishment of Soybean Rust Throughout the World/S Pivonia, X B Yang.

Plant Disease. St. Paul: May 2004. Vol. 88, Iss. 5; p. 523 (7 pages)

National Science Foundation-Sponsored Workshop Report. Draft Plan for Soybean Genomics1/Gary Stacey, Lila Vodkin, Wayne A Parrott, Randy C Shoemaker.

Plant Physiology. Rockville: May 2004. Vol. 135, Iss. 1; p. 59 (12 pages)

[alpha]' Subunit of Soybean Beta Conglycinin: In Vitro and In Vivo Activity on Cholesterol Homeostasis/M R Lovati.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1238S (1 p)

A Novel Extract of Fermented Soybean Germs (AglyMax) Promoted Bone Growth in Male Mice Fed a High-Fat Diet/C Wang, W J Pan, J R Zhou.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1287S (1 p)

Antihormonal Effects of the Soybean Phytoalexin Glyceollin/S Boue, M Burow, B Shih, C Carter-Wientjes, T Cleveland.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1256S (2 p)

Antihyperlipidemic Effects of Black Bean (Yak-Kong, *Rhynchosia molubilis*) and Soybean in an Ovariectomized Rat Model/S A Kang, K H Jang, Y Cho, J H Suh, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1275S (1 p)

Effect of Genetics and Environmental Conditions on the Concentration of Soybean Seed Lectins/E De Mejia, M Vasconez, R Nelson.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1253S (1 p)

Effect of Soybean Isoflavone Aglycone on Serum Cholesterol in Ovariectomized Rats and Healthy Human Volunteers/M Saito, T Izumi, A Obata, M Yoshimura, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1273S (2 p)

Effects of Natto (Fermented Soybean; Made from Isoflavone-Rich Soybean) Supplemented with Zinc and Calcium on Bone Density and Bone Metabolic Markers of Postmenopausal Women/I Koyama, S Shimanuki, M Tezuka, Y Kawasaki, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1288S (2 p)

Effects of Soybean Saponin Supplementation on Colon Tumor Development in Carcinogen-Treated F344 Rats/H-W Kim, I-H Han, M-K Sung, R Yu, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1264S (2 p)

Effects of Soybean Isoflavones on the Expression of Genes Associated with Transforming Growth Factor-[beta] Sensitivity in Cultured Human Breast Cancer Cell Lines/Y-W Lee, K S Jin, Y H Kim, J S Kim, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1256S (1 p)

Effects of Genotype, Environment and Hydrothermal Treatments on Isoflavone Concentration In Soybean Grains/M C Carrao-Panizzi, K Kitamura, A Kikuchi, A Simao, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1252S (1 p)

Effects of Soybean [beta]-Conglycinin on Plasma Lipid Levels and Hepatic Lipid Metabolism/K Fukui, N Tachibana, M Kojima, K Takamatsu, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1239S (1 p)

Hypolipidemic Effect of Dietary Soybean 7S Globulin ([beta]-Conglycinin) Complemented Amino Acids in Obese Mice/M Maebuchi, M Machidori, R Urade, T Ogawa, et al.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1274S (1 p)

Isoflavone Concentration in Soy Extracts (Soy milk) Obtained from Soybean Grains, Full Fat Soy Flour, and Isolated Soy Protein/R da Rodrigues, M C Carrao-Panizzi, R H Moretti.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1255S (1 p)

Isoflavone Characterization and Antioxidant Activities of Ohio Soybeans/J H Lee, M Renita, S St Martin, S J Schwartz, Y Vodovotz.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1254S (1 p)

Three-Dimensional Structures of Soybean Storage Proteins and Introduction of a Physiologically Active Peptide Based on the Structures/S Utsumi, B Mikami, N Maruyama.

The Journal of Nutrition. Bethesda: May 2004. Vol. 134, Iss. 5; p. 1238S (2 p)

Analysis of expressed sequence tags from roots of resistant soybean infected by the soybean cyst nematode/Nadim Alkharouf, Rana Khan, Benjamin Matthews.

Genome. Ottawa: Apr 2004. Vol. 47, Iss. 2; p. 380 (9 pages)

Soybean FGAM synthase promoters direct ectopic nematode feeding site activity/Zarir E Vaghchhipawala, Jessica A Schlueter, Randy C Shoemaker, Sally A Mackenzie.

Genome. Ottawa: Apr 2004. Vol. 47, Iss. 2; p. 404 (10 pages)

Soybean bacterial artificial chromosome contigs anchored with RFLPs: insights into genome duplication and gene clustering/Joann Mudge, Yan Huihuang, Roxanne L Denny, Dana K Howe, et al.

Genome. Ottawa: Apr 2004. Vol. 47, Iss. 2; p. 361 (12 pages)

RNAi Suppression of Phospholipase D in Soybean Seed/Jung-Hoon Lee, William T Schapaugh, Xuemin Wang, Harold N Trick.

In Vitro Cellular & Developmental Biology. Columbia: Spring 2004. Vol. 40; p. 68A (1 page)

Transgenic Soybean Seeds for the Elevated Production of Foreign Proteins/M A Schmidt, E M Herman.

In Vitro Cellular & Developmental Biology. Columbia: Spring 2004. Vol. 40; p. 51A (1 page)

Effect of soybean variety and processing on growth performance of young chicks and pigs1/M F Palacios, R A Easter, K T Soltwedel, C M Parsons,et al.

Journal of Animal Science. Savoy: Apr 2004. Vol. 82, Iss. 4; p. 1108 (7 pages)

Evaluation of a rendered poultry mortality-soybean meal product as a supplemental protein source for pig diets1,2,3/R O Myer, J H Brendemuhl, F W Leak, J B Hess.

Journal of Animal Science. Savoy: Apr 2004. Vol. 82, Iss. 4; p. 1071 (8 pages)

Ruminal Biohydrogenation in Holstein Cows Fed Soybean Fatty Acids as Amides or Calcium Salts/F P Lundy III, E Block, W C Bridges Jr, J A Bertrand, T C Jenkins.

Journal of Dairy Science. Champaign: Apr 2004. Vol. 87, Iss. 4; p. 1038 (9 p)

The Avr1b Locus of Phytophthora sojae Encodes an Elicitor and a Regulator Required for Avirulence on Soybean Plants Carrying Resistance Gene Rps1b/Weixing Shan, Minh Cao, Dan Leung, Brett M Tyler.

Molecular Plant-Microbe Interactions. St. Paul: Apr 2004. Vol. 17, Iss. 4; p. 394 (10 pages)

Patterning of Virus-Infected Glycine max Seed Coat Is Associated with Suppression of Endogenous Silencing of Chalcone Synthase Genes/Mineo Senda, Chikara Masuta, Shizen Ohnishi, Kazunori Goto, et al.

Plant Cell. Rockville: Apr 2004. Vol. 16, Iss. 4; p. 807 (12 pages)

Tissue-Specific Gene Silencing Mediated by a Naturally Occurring Chalcone Synthase Gene Cluster in Glycine max(w)/Jigyasa H Tuteja, Steven J Clough, Wan-Ching Chan, Lila O Vodkin.

Plant Cell. Rockville: Apr 2004. Vol. 16, Iss. 4; p. 819 (17 pages)

Races of Phytophthora sojae in Arkansas Soybean Fields and Their Effects on Commonly Grown Soybean Cultivars/T A Jackson, T L Kirkpatrick, J C Rupe.

Plant Disease. St. Paul: Apr 2004. Vol. 88, Iss. 4; p. 345 (7 pages)

Proteomic Analysis on Symbiotic Differentiation of Mitochondria in Soybean Nodules/Le Thi-Phuong Hoa, Mika Nomura, Hideyuki Kajiwara, David Alexander Day, Shigeyuki Tajima.

Plant & Cell Physiology. Oxford: Mar 15, 2004. Vol. 45, Iss. 3; p. 300

Adjusting Management Practices Using Glyphosate-Resistant Soybean Cultivars/Michael G Bertram, Palle Pedersen.

Agronomy Journal. Madison: Mar/Apr 2004. Vol. 96, Iss. 2; p. 462 (7 pages)

Modifying the CROPGRO-Soybean Model to Improve Predictions for the Upper Midwest/P Pedersen, K J Boote, J W Jones, J G Lauer.

Agronomy Journal. Madison: Mar/Apr 2004. Vol. 96, Iss. 2; p. 556 (9 pages)

Predicting yeeld loss in indeterminate soybean from pod density using simulated damage studies/W Singer, R W Malone, D W Meek, D Drake.

Agronomy Journal. Madison: Mar/Apr 2004. Vol. 96, Iss. 2; p. 584 (6 pages)

Shading and Thinning Effects on Seed and Shoot Dry Matter Increase in Determinate Soybean during the Seed-Filling Period/Jin Kakiuchi, Tohru Kobata.

Agronomy Journal. Madison: Mar/Apr 2004. Vol. 96, Iss. 2; p. 398 (8 pages)

Tillage and Rotation Interactions for Corn and Soybean Grain Yield as Affected by Precipitation and Air Temperature/W W Wilhelm, Charles S Wortmann.

Agronomy Journal. Madison: Mar/Apr 2004. Vol. 96, Iss. 2; p. 425 (8 pages)

Tillage and Compost Affect Yield of Corn, Soybean, and Wheat and Soil Fertility/J W Singer, K A Kohler, M Liebman, T L Richard, et al.

Agronomy Journal. Madison: Mar/Apr 2004. Vol. 96, Iss. 2; p. 531 (7 pages)

Limited Lipid-Lowering Effects of Regular Consumption of Whole Soybean Foods/Barbara J. Meyer, Theresa A. Larkin, Alice J. Owen, Lee B. Astheimer, et al.

Annals of Nutrition & Metabolism. Basel: Mar/Apr 2004. Vol. 48, Iss. 2; p. 67

Evaluation and Classification of Leaflet Shape and Size in Wild Soybean/Yiwu Chen, Randall L Nelson.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 671 (7 pages)

Inheritance of Low-Phytate Phosphorus in Soybean/Sheilah E Oltmans, Walter R Fehr, Grace A Welke, Silvia R Cianzio.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 433 (3 pages)

Production of [gamma]-Linolenic Acid and Stearidonic Acid in Seeds of Marker-Free Transgenic Soybean1/Shirley Sato, Aiqiu Xing, Xingguo Ye, Bruce Schweiger, et al.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 646 (7 pages)

Quantitative Trait Loci for Soybean Seed Yield in Elite and Plant Introduction Germplasm/Matthew D Smalley, Walter R Fehr, Silvia R Cianzio, Feng Han,

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 436 (7 pages)

Registration of 'Soyola' Soybean/J W Burton, R F Wilson, W Novitzky, T E Carter Jr.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 687 (2 pages)

Registration of 'Ohio FG3' Soybean/S K St Martin, G R Mills, R J Fioritto, S A McIntyre, et al.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 687 (1 page)

Registration of 'Desha' Soybean/C H Sneller, P Chen, J C Rupe, R D Riggs.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 689 (1 page)

Registration of 'Lonoke' Soybean/C H Sneller, P Chen, J C Rupe, R D Riggs.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 689 (2 pages)

Registration of 'MN0201' Soybean/J H Orf, R L Denny.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 691 (2 pages)

Registration of 'Bolivar' Soybean/J M Tyler, L D Young.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 690 (2 pages)

Registration of 'MN1302' Soybean/J H Orf, R L Denny.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 693 (1 page)

Registration of 'Dilworth' Soybean/R J Fioritto, S K St Martin, A E Dorrance, R L Cooper.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 691 (1 page)

Registration of 'MN0302' Soybean/J H Orf, R L Denny.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 692 (2 pages)

Registration of S97-1688 Soybean Germplasm Line High in Protein Content and Resistant to Soybean Cyst Nematode/S C Anand, J G Shannon, J A Wrather, P R Arelli, et al.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 698 (2 pages)

Registration of 10 Determinate Semidwarf Soybean Germplasm Lines/R L Cooper, T Mendiola.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 699 (2 pages)

Registration of VS94-11, VS94-12, and VS94-21 Soybean Germplasm Lines Resistant to Corn Earworm Foliar Damage/T Mebrahtu, M Kraemer.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 701 (2 pages)

Registration of NC113 Soybean Mapping Population/J M Narvel, T E Carter Jr, L R Jakkula, J Alvernaz, et al.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 704 (3 pages)

Soybean N² Fixation Estimates, Ureide Concentration, and Yield Responses to Drought/Larry C Purcell, Rachid Serraj, Thomas R Sinclair,

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 484 (9 pages)

Soybean Growth and Development in Various Management Systems and Planting Dates/Palle Pedersen, Joseph G Lauer.

Crop Science. Madison: Mar/Apr 2004. Vol. 44, Iss. 2; p. 508 (8 pages)

Digestibility of nitrogen and amino acids in soybean meal with added soyhulls^{1,2}/R N Dilger, J S Sands, D Ragland, O Adeola.

Journal of Animal Science. Savoy: Mar 2004. Vol. 82, Iss. 3; p. 715 (10 p)

Performance and carcass quality of steers fed whole raw soybeans at increasing inclusion levels¹/E E D Felton, M S Kerley.

Journal of Animal Science. Savoy: Mar 2004. Vol. 82, Iss. 3; p. 725 (8 pages)

Modeling the water use efficiency of soybean and maize plants under environmental stresses: application of a synthetic model of photosynthesis-transpiration based on stomatal behavior/Gui-Rui Yu, Qiu-Feng Wang, Jie Zhuang.

J. of Plant Physiology. Stuttgart: Mar 2004. Vol. 161, Iss. 3; p. 303 (16 p)

Effect of Sclerotinia Stem Rot on Yield of Soybean Inoculated at Different Growth Stages/G A Danielson, B D Nelson, T C Helms.

Plant Disease. St. Paul: Mar 2004. Vol. 88, Iss. 3; p. 297 (4 pages)

The Effect of Particle Size of Commercial Soybean Meal on Performance and Nutrient Utilization of Broiler Chicks1/J Kilburn, H M Edwards Jr.
Poultry Science. Savoy: Mar 2004. Vol. 83, Iss. 3; p. 428 (5 pages)

Emissions of N²O from Alfalfa and Soybean Crops in Eastern Canada/Philippe Rochette, Denis A Angers, Gilles Belanger, Martin H Chantigny, et al.
Soil Science Society of America Journal. Madison: Mar/Apr 2004. Vol. 68, Iss. 2; p. 493 (14 pages)

Soil Aggregation and Carbon and Nitrogen Storage under Soybean Cropping Sequences/Alan L Wright, Frank M Hons.
Soil Science Society of America Journal. Madison: Mar/Apr 2004. Vol. 68, Iss. 2; p. 507 (7 pages)

Pedigreed Soybean Promises Healthier Soy Oil/Rosalie Marion Bliss.
Agricultural Research. Washington: Feb 2004. Vol. 52, Iss. 2; p. 22 (1 page)

A virus related to Soybean mosaic virus from *Pinellia ternata* in China and its comparison with local soybean SMV isolates/J. Chen, H.-Y. Zheng, L. Lin, M. J. Adams, et al.
Archives of Virology. New York: Feb 2004. Vol. 149, Iss. 2; p. 349

Comparative physical mapping reveals features of microsynteny between *Glycine max*, *Medicago truncatula*, and *Arabidopsis thaliana*/H H Yan, J Mudge, D-J Kim, R C Shoemaker, et al.
Genome. Ottawa: Feb 2004. Vol. 47, Iss. 1; p. 141 (15 pages)

Duplicate chlorophyll-deficient loci in soybean/K K Kato, R G Palmer.
Genome. Ottawa: Feb 2004. Vol. 47, Iss. 1; p. 190 (9 pages)

Genetic characterization of a novel Tib-derived variant of soybean Kunitz trypsin inhibitor detected in wild soybean (*Glycine soja*)/Ke-Jing Wang, Tetsuro Yamashita, Masao Watanabe, Yoshihito Takahata.
Genome. Ottawa: Feb 2004. Vol. 47, Iss. 1; p. 9 (6 pages)

Soybean (*Glycine max.* L.) and bacteroid glyoxylate cycle activities during nodular senescence/Christophe Fargeix, Katia Gindro, Francois Widmer.
Journal of Plant Physiology. Stuttgart: Feb 2004. Vol. 161, Iss. 2; p. 183 (8 p)

Pod and Seed Mycoflora on Transgenic and Conventional Soybean [*Glycine max* (L.) Merrill]/D.A. Villarroel, R.E. Baird, L.E. Trevathan, C.E. Watson, M.L. Scruggs.
Mycopathologia. Dordrecht: Feb 2004. Vol. 157, Iss. 2; p. 201

Production Response of Dairy Cows Fed Soybean Meal Heat Treated with Different Methodologies/C Leonardi, W Stockland, L E Armentano.
Professional Anim Scientist. Champaign: Feb 2004. Vol. 20, Iss. 1; p. 74 (5 p)

Delaware Farmers' Adoption of GE Soybeans in a Time of Uncertain U.S. Adoption/John C Bernard, John D Pesek Jr, Chunbo Fan.
Agribusiness. Hoboken: Winter 2004. Vol. 20, Iss. 1; p. 81

Comparison of Uniform- and Variable-Rate Phosphorus Fertilization for Corn-Soybean Rotations/David J Wittry, Antonio P Mallarino.
Agronomy Journal. Madison: Jan/Feb 2004. Vol. 96, Iss. 1; p. 26 (8 pages)

Effect of Soil and Topographic Properties on Crop Yield in a North-Central Corn-Soybean Cropping System/P Jiang, K D Thelen.
Agronomy Journal. Madison: Jan/Feb 2004. Vol. 96, Iss. 1; p. 252 (7 pages)

Soybean Cultivar Differences on Light Interception and Leaf Area Index during Seed Filling/James E Board.
Agronomy Journal. Madison: Jan/Feb 2004. Vol. 96, Iss. 1; p. 305 (6 pages)

The Spatial Distribution of Soybean Cyst Nematode in Relation to Soil Texture and Soil Map Unit/Felicitas Avendano, Francis J Pierce, Oliver Schabenberger, Haddish Melakeberhan.
Agronomy Journal. Madison: Jan/Feb 2004. Vol. 96, Iss. 1; p. 181 (14 pages)

Utility of Interseeded Winter Cereal Rye in Organic Soybean Production Systems/Kurt D Thelen, Dale R Mutch, Todd E Martin.
Agronomy Journal. Madison: Jan/Feb 2004. Vol. 96, Iss. 1; p. 281 (4 pages)

Documenting Intraspecific Genome Size Variation in Soybean/A Lane Rayburn, D P Biradar, R L Nelson, R McCloskey, K M Yeater.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 261

Genetic Variation and Relationships among Cultivated, Wild, and Semiwild Soybean/Yiwu Chen, Randall L Nelson.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 316

Genomic Polymorphism Identifies a Subtilisin-Like Protease near the Rhg4 Locus in Soybean/Naoma S Nelsen, Zhigang Li, April L Warner, Benjamin F Matthews, Halina T Knap.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 265

Identification and characterization of a white-flowered wild soybean plant/Yiwu Chen, Randall L Nelson.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 339

Recurrent Half-Sib Selection with Testcross Evaluation for Increased Oil Content in Soybean/L Feng, J W Burton, T E Carter Jr, V R Pantalone.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 63

Registration of LG92-1255, LG93-7054, LG93-7654, and LG93-7792 Soybean Germplasm/Gina L Brown-Guedira, Marilyn L Warburton, Randall L Nelson.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 356 (2 pages)

Resistance to the Soybean Aphid in Soybean Germplasm/Curtis B Hill, Yan Li, Glen L Hartman.
Crop Science. Madison: Jan/Feb 2004. Vol. 44, Iss. 1; p. 98

The effects of soybean oil emulsion and Eicosapentaenoic acid (EPA) on serum monocyte chemoattractant protein-1 (MCP-1) levels and cell-mediated immunity after severely stressed patients/H Shibasaki, H Yamamori, K Furukawa, N Hayashi, et al.
JPEN, Journal of Parenteral and Enteral Nutrition. Silver Spring: Jan/Feb 2004. Vol. 28, Iss. 1; p. S35 (2 pages)

SGMD: the Soybean Genomics and Microarray Database; [1]/Nadim W. Alkharouf, Benjamin F. Matthews.

Nucleic Acids Research. Oxford: Jan 01, 2004. Vol. 32, Iss. 1; p. D398

SGMD: the Soybean Genomics and Microarray Database/Nadim W. Alkharouf, Benjamin F. Matthews.

Nucleic Acids Research. Oxford: Jan 01, 2004. Vol. 32, Iss. 1; p. D398

Improvement in cooking quality of soybean (glycine max) by presoaking treatment with enzyme (lipase) solution/Neelam Khetarpaul, Renue Garg, Rajni Goyal.

Nutrition and Food Science. Bradford: 2004. Vol. 34, Iss. 1; p. 8

Logistic Regression Modeling of Prevalence of Soybean Sclerotinia Stem Rot in the North-Central Region of the United States/A L Mila, A L Carriquiry, X B Yang.

Phytopathology. St. Paul: Jan 2004. Vol. 94, Iss. 1; p. 102 (9 pages)

SCIENCEDIRECT

Microenvironment of a corn-soybean-oat strip intercrop system/ Thomas W. Jurik, Kyujung Van./Field Crops Research,

Volume 90, Issues 2-3, 8 December 2004, Pages 335-349.

Keywords : Microclimate; Narrow strips; Light interception; Wind; Photosynthetic photon flux density; Plant growth versus light

Production of high molecular weight pullulan by *Aureobasidium pullulans* HP-2001 with soybean pomace as a nitrogen source/ Hyung-Pil Seo, Chang-Woo Son, Chung-Han Chung, Dae-Il Jung, Sung-Koo Kim, Richard A. Gross, David L. Kaplan, Jin-Woo Lee.

Bioresource Technology, Volume 95, Issue 3, December 2004, Pages 293-299.

Keywords : Aureobasidium pullulans; Pullulan; Yeast extract; Soybean pomace; GC; FTIR; GPC; Molecular weight

Photosynthetic response of transgenic soybean plants, containing an Arabidopsis P5CR gene, during heat and drought stress/ J. A. De Ronde, W. A. Cress, G. H. J. Kruger, R. J. Strasser, J. Van Staden.

Journal of Plant Physiology, Volume 161, Issue 11, , 18 November 2004, Pages 1211-1224.

Keywords : Chlorophyll fluorescence; Drought; Heat; NADP+; Proline; Soybean

In situ ruminal biohydrogenation of fatty acids from extruded soybeans: effects of dietary adaptation and of mixing with lecithin or wheat straw/ A. Agazzi, C. Bayourthe, M.C. Nicot, A. Troegeler-Meynadier, R. Moncoulon, F. Enjalbert.

Animal Feed Science and Technology, Volume 117, Issues 1-2, 10 November 2004, Pages 165-175.

Keywords : Biohydrogenation; Soybeans; In situ; Adaptation; Wheat straw

From genome to crop: integration through simulation modeling/ Gerrit Hoogenboom, Jeffrey W. White, Carlos D. Messina /Field Crops Research, Volume 90, Issue 1, Linking Functional Genomics with Physiology for Global Change Research, 8 November 2004, Pages 145-163.

Keywords : Common bean; Genomics; Global warming; Temperature; Crop simulation model

Reproductive compatibility and genetic variation between two strains of *Aphelinus albipodus* (Hymenoptera: Aphelinidae), a parasitoid of the soybean aphid, *Aphis glycines* (Homoptera: Aphididae)/ Zhishan Wu, Keith R. Hopper, Robert J. O'Neil, David J. Voegtlin, David R. Prokrym, George E. Heimpel.

Biological Control, Volume 31, Issue 3, November 2004, Pages 311-319.

Keywords : Aphelinus albipodus; Aphis glycines; Reproductive compatibility; PCR; RAPD-PCR; Internal transcribed spacer; Wolbachia; Aphid parasitoid; Biological control

Effect of particle size and soybean oil supplementation on growth performance, carcass and meat quality and fatty acid composition of intramuscular lipids of lambs/ J. Santos-Silva, I. A. Mendes, P. V. Portugal, R. J. B. Bessa,

Livestock Production Science, Volume 90, Issues 2-3, November 2004, Pages 79-88.

Keywords : Lamb; Forage particle size; Soybean oil supplementation; Meat quality; Fatty acids composition; Conjugated linoleic acid

Production of protease isozymes by *Aphanomyces cochlioides* and *Aphanomyces euteiches*/ John J. Weiland

Physiological and Molecular Plant Pathology, Volume 65, Issue 5, November 2004, Pages 225-233.

Keywords : Beta vulgaris L.; Aphanomyces; Saprolegnia; Protease; Virulence

Processing of soybean affects meat fatty acid composition and lipid peroxidation in beef cattle/ M.A. McNiven, J. Duynisveld, E. Charmley, A. Mitchell

Animal Feed Science and Technology, Volume 116, Issues 3-4, 15 October 2004, Pages 175-184.

Keywords : Soybean; Roasted; Extruded; Beef; Fatty acid; Lipid peroxidation

Evaluation of the role of genes encoding for [Delta]1-pyrroline-5-carboxylate synthetase (P5CS) during drought stress in arbuscular mycorrhizal Glycine max and *Lactuca sativa* plants/ Rosa Porcel, Rosario Azcon, Juan Manuel Ruiz-Lozano.

Physiological and Molecular Plant Pathology, Volume 65, Issue 4, October 2004, Pages 211-221.

Keywords : Arbuscular mycorrhizal symbiosis; Drought stress; Proline; [Delta]1-Pyrroline-5-carboxylate synthetase (P5CS)

Molecular and biological screening for insect-toxic seed albumins from four legume species/ Sandrine Louis, Bernard Delobel, Frederic Gressent, Isabelle Rahioui, Laurence Quillien, Agnes Vallier, Yvan Rahbe.

Plant Science, Volume 167, Issue 4, October 2004, Pages 705-714.

Keywords : Albumins 1b; PA1b; Insect; Weevil; Plant defence; Toxin; French bean; Barrel medic

A vacuolar sorting determinant of soybean [beta]-conglycinin [beta] subunit resides in a C-terminal sequence/ Keito Nishizawa, Nobuyuki Maruyama, Ryohei Satoh, Takahiko Higasa, Shigeru Utsumi

Plant Science, Volume 167, Issue 4, October 2004, Pages 937-947.

Keywords : Vacuolar sorting determinant; [beta]-Conglycinin; Protein storage vacuole; Seed storage protein; Soybean; Crystalloid-like structure

An assessment of storage terms in the surface energy balance of maize and soybean/ Tilden P. Meyers, Steven E. Hollinger

Agricultural and Forest Meteorology, Volume 125, Issues 1-2, 20 September 2004, Pages 105-115.

Keywords : Photosynthesis; Surface energy balance; Soybean; Maize; Surface energy balance closure

Transferability issues of soybean research: a regional example/ Michael P. Popp, Carl R. Dillon, Jennie S. Popp,

Agricultural Systems, Volume 81, Issue 3, September 2004, Pages 213-226.

Keywords : Best management practices; Research transfer; Spatial research replication

Detection and characterization of recombinant DNA in the Roundup Ready(R) soybean insert/ Lok-Ting Lau, Richard A. Collins, Sui-Hing Yiu, Julie Xing, Albert C. H. Yu,

Food Control, Volume 15, Issue 6, September 2004, Pages 471-478.

Keywords: Roundup Ready; Rearrangement; GM

Emulsifying properties of soybean soluble polysaccharide/Akihiro Nakamura, Taro Takahashi, Ryuji Yoshida, Hirokazu Maeda, Milena Corredig.

Food Hydrocolloids, Volume 18, Issue 5, September 2004, Pages 795-803.

Keywords : Soybean; Water-soluble polysaccharide; Emulsion

Mobilization of phenolic antioxidants from defatted soybean powders by *Lentinus edodes* during solid-state bioprocessing is associated with enhanced production of laccase/ Patrick McCue, Akiyo Horii, Kalidas Shetty, *Innovative Food Science & Emerging Technologies*, Volume 5, Issue 3, September 2004, Pages 385-392.

Keywords : Phenolic antioxidant; Lentinus edodes; Solid-state bioprocessing; Glucosidase; Amylase; Laccase

Carbon dioxide concentrations are very high in developing oilseeds/ Fernando D. Goffman, Mike Ruckle, John Ohlrogge, Yair Shachar-Hill *Plant Physiology and Biochemistry*, Volume 42, Issue 9, September 2004, Pages 703-708.

Keywords : Carbon dioxide; Carbon economy; CO₂ refixation; Developing oilseeds; Rapeseed; Soybean

Widespread use of glyphosate tolerant soybean and weed community richness in Argentina/ J. I. Vitta, D. Tuesca, E. Puricelli. *Agriculture, Ecosystems & Environment*, Volume 103, Issue 3, , August 2004, Pages 621-624.

Keywords : Diversity; Glyphosate; Weeds; Soybean

Minimization of peroxide formation rate in soybean oil by antioxidant combinations/ Henriette M. C. Azeredo, Jose de Assis F. Faria, Maria Aparecida A. P. da Silva. *Food Research International*, Volume 37, Issue 7, August 2004, Pages 689-694.

Keywords : Soybean oil; Oxidation; Peroxide value; Difference-from-control test; Antioxidants

High intensity ultrasound-assisted extraction of oil from soybeans/ Haizhou Li, Lester Pordesimo, Jochen Weiss. *Food Research International*, Volume 37, Issue 7, August 2004, Pages 731-738.

Keywords : High-intensity ultrasound; Extraction; Oil; Soy; Solvent

Awareness of health benefits of soy-food products among residents of a soybean-producing region of Tennessee/ G. M. Walker, L. E. Gray, G. M. Awipi
Journal of the American Dietetic Association, Volume 104, Supplement 2, August 2004, Page 26.

Identification in *Vigna unguiculata* (L.) Walp. of two cDNAs encoding mitochondrial alternative oxidase orthologous to soybean alternative oxidase genes 2a and 2b/ Jose Helio Costa, Marie-Paule Hasenfratz-Sauder, Anh Thu Pham-Thi, Maria da Guia Silva Lima, Pierre Dizengremel, Yves Jolivet, Dirce Fernandes de Melo
Plant Science, Volume 167, Issue 2, August 2004, Pages 233-239.

Keywords : **Alternative oxidase; cDNA; Multigene family; Vigna unguiculata**

Bulk density as a soil quality indicator during conversion to no-tillage/ Sally D. Logsdon, Douglas L. Karlen
Soil and Tillage Research, Volume 78, Issue 2, Soil Quality as an Indicator of Sustainable Tillage Practices, August 2004, Pages 143-149.

Keywords : **Soil compaction; No-tillage; Ridge-tillage; Landscape position; Deep-loess soils**

From Arabidopsis to agriculture: engineering improved Vitamin E content in soybean/ Scott E. Sattler, Zigang Cheng, Dean DellaPenna.
Trends in Plant Science, Volume 9, Issue 8, August 2004, Pages 365-367.

Characterization of an NBS-LRR resistance gene homologue from soybean/ Bangjun Wang, Yongjun Wang, Qiang Wang, Guangzuo Luo, Zhigang Zhang, Chaoying He, Si Jie He, Jinsong Zhang, Junyi Gai, Shouyi Chen.
Journal of Plant Physiology, Volume 161, Issue 7, 19 July 2004, Pages 815-822.

Keywords : **Leucine-rich repeat (LRR); Nucleotide-binding site (NBS); Resistance gene homologue; Soybean; Soybean mosaic virus (SMV)**

Isoflavonoid accumulation in soybean hairy roots upon treatment with *Fusarium solani*/ Vera V. Lozovaya, Anatoliy V. Lygin, Olga V. Zernova, Shuxian Li, Glen L. Hartman, Jack M. Widholm.

Plant Physiology and Biochemistry, Volume 42, Issues 7-8, , July-August 2004, Pages 671-679.

Keywords : Fungal pathogen; Fusarium solani; Glycine max; Glyceollin; Hairy roots; Isoflavones

Oxidative stress and photodamage at low temperatures in soybean (*Glycine max* L. Merr.) leaves/ E. A. Tambussi, C. G. Bartoli, J. J. Guiamet, J. Beltrano, J. L. Arous.

Plant Science, Volume 167, Issue 1, , July 2004, Pages 19-26.

Keywords : Chilling; Glycine max; Oxidative damage; Protein carbonylation; Soybean; Thylakoids

Isotopic fractionation during N₂ fixation by four tropical legumes/ A.Okito, B. R. J. Alves, S. Urquiaga, R. M. Boddey.

Soil Biology and Biochemistry, Volume 36, Issue 7, July 2004, Pages 1179-1190.

Keywords : 15N natural abundance; B values; Biological nitrogen fixation; Crotalaria juncea; Groundnut; Mucuna pruriens; Quantification; Soybean

Mechanical and cropping behavior of direct drilled soil under different traffic intensities: effect on soybean (*Glycine max* L.) yields/ G. F. Botta, D. Jorajuria, R. Balbuena, H. Rosatto

Soil and Tillage Research, Volume 78, Issue 1, July 2004, Pages 53-58.

Keywords : Soil compaction; Repeated traffic; Direct drill

Stepwise time response of corn yield and economic return to no tillage/ Mahdi M. Al-Kaisi, Xinhua Yin.

Soil and Tillage Research, Volume 78, Issue 1, July 2004, Pages 91-101.

Keywords : Corn; Yield; Economic return; Stepwise time response; No tillage; Moldboard plow; Chisel plow; Ridge tillage

Elevated atmospheric CO₂ effects on N fertilization in grain sorghum and soybean/ H. A. Torbert, S. A. Prior, H. H. Rogers, G. B. Runion

Field Crops Research, Volume 88, Issue 1, 10 June 2004, Pages 57-67.

Keywords : Carbon dioxide; Fertilizer nitrogen dynamics; 15N; Glycine max; Sorghum bicolor

Influence of lead additions on arbuscular mycorrhiza and Rhizobium symbioses under soybean plants/ S. A. L. Andrade, C. A. Abreu, M. F. de Abreu, A. P. D. Silveira

Applied Soil Ecology, Volume 26, Issue 2, June 2004, Pages 123-131.

Keywords : Arbuscular mycorrhizal fungi; Heavy metals; Stress tolerance; Plant nutrition; Bradyrhizobium japonicum; Nitrogen fixation

Saprobic fungi decrease plant toxicity caused by olive mill residues/ Sampedro, E. Aranda, J. Martin, J. M. Garcia-Garrido, I. Garcia-Romera, J. A. Ocampo

Applied Soil Ecology, Volume 26, Issue 2, June 2004, Pages 149-156.

Keywords : Olive mill dry residues; Phenols; Phytotoxicity; Saprobic fungi

Microbial changes during the production of Sufu--a Chinese fermented soybean food/ Bei-Zhong Han, Cui-Feng Cao, Frans M. Rombouts, M. J. Robert Nout

Food Control, Volume 15, Issue 4, June 2004, Pages 265-270.

Keywords : Tofu; Sufu; Microflora; Fermented soybean; Lactic acid bacteria

High-throughput peptide mass fingerprinting of soybean seed proteins: automated workflow and utility of UniGene expressed sequence tag databases for protein identification/ Brian P. Mooney, Jay J. Thelen.

Phytochemistry, Volume 65, Issue 12, , Proteomics 2, June 2004, Pages 1733-1744.

Keywords : Soybean seed; Proteomics; 2-D electrophoresis; MALDI-TOF mass spectrometry; Peptide mass fingerprinting; Robotic automation

Drill and crop performances as affected by different drill configurations for no-till seeding/ Ying Chen, S. Tessier, B. Irvine.

Soil and Tillage Research, Volume 77, Issue 2, June 2004, Pages 147-155.

Keywords : No-tillage; Disc opener; Fertilizer banding; Press wheel; Gauge wheel; Hairpinning; Seeding depth; Crop emergence; Crop yield; Chernozems; Canada

Intensification of agriculture in the south-eastern Pampas: I. Capture and efficiency in the use of water and radiation in double-cropped wheat-soybean/
O. P. Caviglia, V. O. Sadras, F. H. Andrade.

Field Crops Research, Volume 87, Issues 2-3, 10 May 2004, Pages 117-129.

Keywords : Double crop; Wheat; Soybean; Resource use efficiency; Radiation; Water; Intercropping; Sustainability; Rainfall

Maize productivity and mineral N dynamics following different soil fertility management practices on a depleted sandy soil in Zimbabwe/ Regis Chikowo, Paul Mapfumo, Phillip Nyamugafata, Ken E. Giller.

Agriculture, Ecosystems & Environment, Volume 102, Issue 2, April 2004, Pages 119-131.

Keywords : Legumes; Sandy soils; Soil fertility technologies; Root length density; Mineral N; Arenosol; Zimbabwe

Effect of Changing Temperature on the Deterioration of Soya Beans/ Hussain Sorour, Toshitaka Uchino

Biosystems Engineering, Volume 87, Issue 4, April 2004, Pages 453-462.

Effect of chaotropic agents on reversible unfolding of a soybean (Glycine max) seed acid phosphatase/ Alexandre Donizeti Martins Cavagis, Paulo Afonso Granjeiro, Carmen Verissima Ferreira, Hiroshi Aoyama,

Phytochemistry, Volume 65, Issue 7, April 2004, Pages 831-836.

Keywords : Glycine max; Leguminosae; Acid phosphatase; Unfolding; Chaotropic agents

Testing the 'source-sink' hypothesis of down-regulation of photosynthesis in elevated [CO₂] in the field with single gene substitutions in Glycine max/
Elizabeth A. Ainsworth, Alistair Rogers, Randall Nelson, Stephen P. Long
Agricultural and Forest Meteorology, Volume 122, Issues 1-2, 20 March 2004, Pages 85-94.

Keywords : Soybean; Glycine max; Carbon dioxide; Climate change; Photosynthesis; FACE

Seed dry weight response to source-sink manipulations in wheat, maize and soybean: a quantitative reappraisal/ Lucas Borrás, Gustavo A. Slafer, Maria E. Otegui.

Field Crops Research, Volume 86, Issues 2-3, , 10 March 2004, Pages 131-146.

Keywords : Triticum aestivum; Wheat; Zea mays L.; Maize; Glycine max L.; Soybean; Source-sink; Seed filling; Seed weight

Integrated management of edaphic and biotic factors limiting yield of irrigated soybean and dry bean in Minnesota/ C. Estevez de Jensen, J. E. Kurle, J. A. Percich.

Field Crops Research, Volume 86, Issues 2-3, 10 March 2004, Pages 211-224.

Keywords : Phaseolus vulgaris; Glycine max; Soil borne; Bean root rot; Fusarium solani f. sp. phaseoli; Soil compaction

Change in carbon and nitrogen stocks in soil under 13 years of conventional or zero tillage in southern Brazil/ Claudia P. J. Sisti, Henrique P. dos Santos, Rainoldo Kohmann, Bruno J. R. Alves, Segundo Urquiaga, Robert M. Boddey.

Soil and Tillage Research, Volume 76, Issue 1, March 2004, Pages 39-58.

Keywords : 13C; Crop rotation; Green-manure crop; Soil organic matter; Tillage methods

Drought stress effect on carbohydrate concentration in soybean leaves and pods during early reproductive development: its implication in altering pod set/ Fulai Liu, Christian R. Jensen, Mathias N. Andersen.

Field Crops Research, Volume 86, Issue 1, 20 February 2004, Pages 1-13.

Keywords : Carbohydrate concentration; Drought stress; Invertase activity; Pod abortion; Soybean

Root signal controls pod growth in drought-stressed soybean during the critical, abortion-sensitive phase of pod development/ Fulai Liu, Mathias N. Andersen, Christian R. Jensen,

Field Crops Research, Volume 85, Issues 2-3, , 10 February 2004, Pages 159-166.

Keywords : Abortion-sensitive phase; Root signals; Xylem sap [ABA]; Pod growth; Pod set

Sorption Equilibrium and Thermodynamic Characteristics of Soya Bean/ N. A. Aviara, O. O. Ajibola, S. A. Oni,
Biosystems Engineering, Volume 87, Issue 2, February 2004, Pages 179-190.

Limitation of photosynthetic carbon metabolism by dark chilling in temperate and tropical soybean genotypes/ Philippus D. R. Van Heerden, Melanie M. Viljoen, Magdaleen F. De Villiers, Gert H. J. Kruger,
Plant Physiology and Biochemistry, Volume 42, Issue 2, February 2004, Pages 117-124.

Keywords : Fructose-1,6-bisphosphatase; Glycine max; Night temperatures; Photosynthesis; Photosystem II; Rubisco; Sucrose-phosphate synthase

Light-responsive subtilisin-related protease in soybean seedling leaves/ Neel G. Barnaby, Fanglian He, Xiaowen Liu, Kathleen A. Wilson, Karl A. Wilson, Anna Tan-Wilson
Plant Physiology and Biochemistry, Volume 42, Issue 2, February 2004, Pages 125-134.

Keywords : Leaf; Light-responsive; Protease C1; Proteolytic enzyme; Soybean; Subtilisin-related

Syringolide elicitor-induced oxidative burst and protein phosphorylation in soybean cells, and tentative identification of two affected phosphoproteins/ David H. Slaymaker, Noel T. Keen.
Plant Science, Volume 166, Issue 2, February 2004, Pages 387-396.

Keywords : Signal transduction; Phosphoproteomics; Proteomics; Defense response; Hypersensitive response; Glycine max

The HFC/HCFC breakdown product trifluoroacetic acid (TFA) and its effects on the symbiosis between *Bradyrhizobium japonicum* and soybean (*Glycine max*)/ Nathan W. Oehrle, Laura S. Green, Dale B. Karr, David W. Emerich,

Soil Biology and Biochemistry, Volume 36, Issue 2, February 2004, Pages 333-342.

Keywords : Attachment; Nodulation; Symbiosis; Nitrogen fixation; Bacteroid

Residual effects of potassium placement for conservation-till corn on subsequent no-till soybean/ Xinhua Yin, Tony J. Vyn.

Soil and Tillage Research, Volume 75, Issue 2, February 2004, Pages 151-159.

Keywords : Potassium; Soybean; Glycine max (L.) Merr.; No-till; Zone-till; Mulch-till; Residual fertility

Mitigating climate change impact on soybean productivity in India: a simulation study/ R. K. Mall, M. Lal, V. S. Bhatia, L. S. Rathore, Ranjeet Singh.

Agricultural and Forest Meteorology, Volume 121, Issues 1-2, 20 January 2004, Pages 113-125.

Keywords : Global climate models; Impact mitigation; Climate change; Soybean; Sowing dates; Crop simulation model

Measuring field-scale isotopic CO₂ fluxes with tunable diode laser absorption spectroscopy and micrometeorological techniques/ T. J. Griffis, J. M. Baker, S. D. Sargent, B. D. Tanner, J. Zhang.

Agricultural and Forest Meteorology, Volume 124, Issues 1-2, 20 July 2004, Pages 15-29.

Keywords : Tunable diode laser absorption spectroscopy (TDLAS); Micrometeorology; Stable isotopes; Keeling plot; Isotopic fluxes; Net ecosystem exchange; Ecosystem respiration

Effect of selective thermal denaturation of soybean proteins on soymilk viscosity and tofu's physical properties/ Zhi-Sheng Liu, Sam K. C. Chang, Li-Te Li, Eizo Tatsumi

Food Research International, Volume 37, Issue 8, , 2004, Pages 815-822.

Keywords : Soymilk; Tofu; Glycinin; [beta]-Conglycinin; Selective thermal denaturation; Two-step heating

A generational study of glyphosate-tolerant soybeans on mouse fetal, postnatal, pubertal and adult testicular development/ Denise G. Brake, Donald P. Evenson

Food and Chemical Toxicology, Volume 42, Issue 1, January 2004, Pages 29-36.

Keywords : Glyphosate-tolerant soybeans; Roundup Ready soybeans; Transgenic crops; Testicular cell populations; Flow cytometry; Fetal/pubertal testicular differentiation

Analysis of glycan structures on the 120 kDa aminopeptidase N of *Manduca sexta* and their interactions with *Bacillus thuringiensis* Cry1Ac toxin/ Peter J. K. Knight, Joe Carroll, David J. Ellar.

Insect Biochemistry and Molecular Biology, Volume 34, Issue 1, January 2004, Pages 101-112.

Keywords : Bacillus thuringiensis; Cry1Ac; Receptor; Insect glycosylation; Deglycosylation; Aminopeptidase N

Soybean (*Glycine max. L.*) and bacteroid glyoxylate cycle activities during nodular senescence/ Christophe Fargeix, Katia Gindro, Francois Widmer.

Journal of Plant Physiology, Volume 161, Issue 2, , 2004, Pages 183-190.

Keywords : Bradyrhizobium japonicum; Glycine max. L.; glyoxylate cycle; isocitrate lyase; malate synthase; peribacteroid membrane; senescence; soybean

Modeling the water use efficiency of soybean and maize plants under environmental stresses: application of a synthetic model of photosynthesis-transpiration based on stomatal behavior/ Gui-Rui Yu, Qiu-Feng Wang, J.i.e. Zhuang.

Journal of Plant Physiology, Volume 161, Issue 3, 2004, Pages 303-318.

Keywords : environmental stresses; maize (*Zea mays L.*); soybean (*Glycine max Merr.*); water use efficiency (WUE)

Dark chilling inhibition of photosynthesis and symbiotic nitrogen fixation in soybean during pod filling/ P.D. Riekert van Heerden, Gert H.J. Kruger.

Journal of Plant Physiology, Volume 161, Issue 5, 2004, Pages 599-609.

Keywords : chilling tolerance; chlorophyll a fluorescence; dark chilling; Glycine max (L.) Merr.; JIP-test; photosynthesis; photosystem II; symbiotic nitrogen fixation; ureides

Effects of soybean Kunitz trypsin inhibitor on the cotton boll weevil (*Anthonomus grandis*)/ Octavio L. Franco, Simoni C. Dias, Claudio P. Magalhaes, Ana C. S. Monteiro, Carlos Bloch Jr, Francislete R. Melo, Osmundo B. Oliveira-Neto, Rose G. Monnerat, Maria Fatima Grossi-de-Sa. *Phytochemistry*, Volume 65, Issue 1, January 2004, Pages 81-89.

Keywords : Cotton; Anthonomus grandis; Kunitz trypsin inhibitor; Serine proteinases; Soybean

Acid phosphatase activities during the germination of Glycine max seeds/ Janaina Nicanuzia dos Prazeres, Carmen Verissima Ferreira, Hiroshi Aoyama. *Plant Physiology and Biochemistry*, Volume 42, Issue 1, January 2004, Pages 15-20.

Keywords : Acid phosphatase; Germination; Glycine max; Physiological substrate; Soybean seeds

Effects of ammoniation of wheat straw and supplementation with soybean meal or broiler litter on feed intake and digestion in yearling Spanish goat wethers/ G. Abebe, R. C. Merkel, G. Animut, T. Sahlu, A. L. Goetsch. *Small Ruminant Research*, Volume 51, Issue 1, January 2004, Pages 37-46.

Keywords : Goats; Wheat straw; Broiler litter; Feed intake; Digestion

The Essential Electronic Agricultural Library (TEEAL)

Mitigating climate change impact on soybean productivity in India a simulation study/ Mall R K Lal M Bhatia V S Rathore L S Ranjeet Singh *Agricultural and Forest Meteorology*. 2004. 121 (1/2). 113-125, CD Volume430

Keywords : air-temperature. carbon-dioxide. climatic-change. computer-simulation. crop-yield. flowering. flowering-date.

maturity. productivity. rain. simulation. simulation-models. solar-radiation. sowing-date. SoyabeansB Geographic LocatorAndhra-Pradesh. Bihar. Delhi. Haryana. India. Indian-Punjab. Karnataka. Madhya-Pradesh. Maharashtra. Tamil-Nadu. Uttar-Pradesh

An assessment of storage terms in the surface energy balance of maize and soybean/ Meyers T P Hollinger S E
Agricultural and Forest Meteorology. 2004. 125 (1/2). 105-115,CD Volume430

Keywords : canopy. carbohydrates. energy-balance. heat-conservation. maize. photosynthesis. radiation. soyabeans

Transferability issues of soybean research a regional example/ Popp M P Dillon C R Popp J S
Agricultural Systems. 2004. 81 (3). 213-226,CD Volume430

Keywords : agricultural-research. climatic-zones. crop-production. diffusion-of-research. farm-results. losses. mathematical-models. optimization-methods. profitability. returns. soil-types. soyabeans. technology-transfer

Widespread use of glyphosate-tolerant soybean and weed community richness in Argentina/ Vitta J I Tuesca D Puricelli E
Agriculture, Ecosystems & Environment. 2004. 103 (3). 621-624,CD Volume429

Keywords : glyphosate. plant-succession. soyabeans. species-richness. transgenic-plants. weeds

A composed-error model for estimating pest-damage functions and the impact of the western corn rootworm soybean variant in Illinois/ Mitchell P D Gray M E Steffey K L
American Journal of Agricultural Economics. 2004. 86 (2). 332-344,CD Volume433

Keywords : crop-damage. crop-losses. maize. mathematical-models. insect-pests. plant-pests. risk. yield-losses

Evaluation of USDA interval forecasts of corn and soybean prices/
Isengildina O Irwin S H Good D L

American Journal of Agricultural Economics. 2004. 86 (4). 990-1004,CD
Volume433

**Keywords : accuracy. estimates. forecasting. forecasts. maize. prices.
soyabeans**

Processing of soybean affects meat fatty acid composition and lipid
peroxidation in beef cattle/ McNiven M A Duynisveld J Charmley E Mitchell

Animal Feed Science and Technology. 2004. 116 (3/4). 175-184,CD
Volume432

**Keywords : beef-cattle. chemical-composition. extrusion. fatty-acids.
growth. lipid-peroxidation. meat-composition. processing.
roasting. Soyabeans,Organism Keywords cattle. Glycine-
(Fabaceae)**

Effects of temperature on oil and protein concentration in soybean seeds
cultured in vitro/ Pipolo A E Sinclair T R Camara G M S

Annals of Applied Biology. 2004. 144 (1). 71-76,CD Volume433

**Keywords : chemical-composition. dry-matter-accumulation. growth-
rate. plant-composition. protein-content. seeds. soybean-
oil. soyabeans. temperature**

Protein and oil concentration of soybean seed cultured in vitro using nutrient
solutions of differing glutamine concentration/ Pipolo A E Sinclair T R
Camara G M S

Annals of Applied Biology. 2004. 144 (2). 223-227,CD Volume433

**Keywords : application-rates. chemical-composition. dry-matter-
accumulation. glutamine. in-vitro-culture. nutrient-
availability. nutrient-solutions. plant-composition. plant-
nutrition. plant-oils. protein-content. seeds. soyabeans**

Aerated subsurface irrigation water gives growth and yield benefits to
zucchini, vegetable soybean and cotton in heavy clay soils/ Bhattarai S P
Huber S Midmore D J

Annals of Applied Biology. 2004. 144 (3). 285-298,CD Volume433

Keywords : aeration. biomass-production. canopy. clay-soils. cotton. crop-yield. fruit-set. growth. hydrogen-peroxide. interception. marrows. photosynthesis. plant-water-relations. respiration. roots. saline-soils. soyabeans. subsurface-irrigation. water-use-efficiency

Effects of carbohydrase supplement on lactation performance of primiparous sows fed corn-soybean meal based lactation diet/ Ji F Kim S W
Asian-Australasian Journal of Animal Sciences. 2004. 17 (4). 533-537, CD Volume439, Print Article Pages 533-537

Keywords : feed-intake. feed-supplements. galactosidases. glycosidases. lactation. litter-weight. liveweight. mannosidases. oestrus. piglets. reproductive-performance. sows

Response of lambs fed wheat straw-based diets to supplementation with soybean hulls/ Gomes M J Dias da Silva A A Azevedo J M T de Guedes C M
Australian Journal of Agricultural Research. 2004. 55 (3). 261-272, CD Volume443

Keywords : body-weight. diets. digestibility. digestion. dry-matter. feed-intake. feed-supplements. growth-rate. lambs. metabolizable-energy. organic-matter. rumen-fermentation. soyabean-husks. straw. wheat. wheat-straw

Production of high molecular weight pullulan by *Aureobasidium pullulans* HP-2001 with soybean pomace as a nitrogen source/ Seo HyungPil Son ChangWoo Chung ChungHan Jung DaeIl Kim SungKoo Gross R A Kaplan D L Lee JinWoo
Bioresource Technology. 2004. 95 (3). 293-299, CD Volume432

Keywords : chemical-composition. glucose. mannose. nitrogen. plant-residues. pomace. reducing-sugars. soyabeans

Agronomic traits and seed parameters of soybean cultivars as affected by delayed sowings/ e Braccini A L Motta I D Scapim C A Braccini M C L Avila M R Meschede D K
Bragantia. 63(1). 2004. 81-92, CD Volume441

Keywords : soybean; seeds; sowing-date; yield

Fate of ¹⁵N-urea applied to wheat-soybean succession crop/ Boaretto A E
Spolidorio E S De Freitas J G Trivelin P C O Muraoka T Cantarella H
Bragantia. 63(2). 2004. 265-274,CD Volume441

Keywords : nitrogen-fertilization; efficiency; ammonia; volatilization

Reassessment of the pits and antipits in soybean seeds/ Ma Fengshan Peterson
Carol A Gijzen Mark
Canadian Journal of Botany. 2004. 82 (5). 654-662,CD Volume442

**Keywords : Morphology- embryo-anchoring, Organism
Keywords Glycine-max (Leguminosae-) species-, soybean-,
common- seed- antipit-, pit-, seed-coat**

Functional properties of soybean nodulin 26 from a comparative three-
dimensional model/ Sampa Biswas
FEBS Letters. 2004. 558 (1/3). 39-44,CD Volume430

**Keywords : aquaporin. chemical-structure. glycerol. ion-transport.
ligands. nodulins. simulation-models. soyabeans**

Extracting and purifying isoflavones from defatted soybean flakes using
superheated water at elevated pressures/ Chang LiHsun Cheng YaChuan
Chang ChiehMing

Food Chemistry. 2004. 84 (2). 279-285,CD Volume431

**Keywords : adsorbents. chemical-composition. extraction. hot-water-
treatment. HPLC. isoflavones. pressure. purification.
soyabeans**

High pressure and the enzymatic hydrolysis of soybean whey proteins/ Penas
E Prestamo G Gomez R

Food Chemistry. 2004. 85 (4). 641-648,CD Volume431

**Keywords : chymotrypsin. enzyme-activity. enzymes. hydrolysis.
pepsin. peptides. pressure-treatment. soya-protein.
soyabeans. trypsin. whey-protein**

In vitro binding of bile acids by soybean (Glycine max), black eye bean
(Vigna unguiculata), garbanzo (Cicer arietinum) and lima bean (Phaseolus
lunatus)/ Kahlon T S Shao Q

Food Chemistry. 2004. 86 (3). 435-440,CD Volume431

Keywords : anions. beans. bile-acids. binding. binding-sites. cations. chemical-structure. chickpeas. cowpeas. dry-matter. fibre-content. flavonoids. in-vitro. Lima-beans. metabolites. plant-oestrogens. soyabeans. tannins

Proximate composition, cholesterol and fatty acids profile of canned sardines (*Sardinella brasiliensis*) in soybean oil and tomato sauce/ Tarley C R T Visentainer J V Matsushita M Souza N E de

Food Chemistry. 2004. 88 (1). 1-6,CD Volume431

Keywords : canned-fish. chemical-composition. cholesterol. docosahexaenoic-acid. eicosapentaenoic-acid. fatty-acids. lipids. protein-content. soyabean-oil

Oxidative stability of olive, corn and soybean oil under different conditions/ Shahina Naz Hina Sheikh Rahmanullah Siddiqi Sayeed S A

Food Chemistry. 2004. 88 (2). 253-259,CD Volume431

Keywords : air. antioxidants. caffeic-acid. ferulic-acid. frying. iodine-value. light. maize-oil. olive-oil. oxidation. peroxide-value. soyabean-oil. stability. tea. vanillic-acid

A simple new equation for the reversible temperature dependence of photosynthetic electron transport a study on soybean leaf/ June T Evans J R Farquhar G D

Functional Plant Biology. 2004. 31 (3). 275-283,CD Volume443

Keywords : electron-transfer. leaves. mathematical-models. nitrate. photosynthesis. soyabeans. temperature

Recombination within a nucleotide-binding-site/leucine-rich-repeat gene cluster produces new variants conditioning resistance to soybean mosaic virus in soybeans/ Hayes A J Jeong S C Gore M A Yu Y G Buss G R Tolin S A Maroof *Genetics. 2004. 166 (1). 493-503,CD Volume443*

Keywords : alleles. chromosomes. genes. leucine. lines. linkage-groups. loci. necrosis. nucleotides. recombination. soyabeans. strains

Deletion of a disease resistance nucleotide-binding-site leucine-rich-repeat-like sequence is associated with the loss of the Phytophthora resistance gene Rps4 in soybean/ Sandhu D Gao H Y Cianzio S Bhattacharyya M K
Genetics. 2004. 168 (4). 2157-2167,CD Volume443

Keywords : binding-sites. deletions. disease-resistance. DNA-fingerprinting. genes. genetic-mapping. genetic-markers. genomes. hypocotyls. introgression. lines. mutants. mutations. nucleotide-sequences. nucleotides. plant-pathogenic-fungi. plant-pathogens. races. selfing. Soyabeans,Identifiersssimple sequence repeats

Digestibility of nitrogen and amino acids in soybean meal with added soyhulls/ Dilger R N Sands J S Ragland D Adeola O
Journal of Animal Science. 2004. 82 (3). 715-724,CD Volume444

Keywords : amino-acids. diets. digestibility. dry-matter. ileum. maize-starch. nitrogen. protein-concentrates. soyabean-husks. soyabean-oilmeal

Effect of soybean variety and processing on growth performance of young chicks and pigs/ Palacios M F Easter R A Soltwedel K T Parsons C M Douglas M W Hymowitz T Pettigrew J E
Journal of Animal Science. 2004. 82 (4). 1108-1114,CD Volume444

Keywords : antinutritional-factors. body-weight. chicks. cultivars. dietary-protein. diets. growth-rate. lectins. nutritive-value. poultry. soyabeans. trypsin. trypsin-inhibitors

Soybean hulls as an alternative feed for horses/ Coverdale J A Moore J A Tyler H D Miller Auwerda P A
Journal of Animal Science. 2004. 82 (6). 1663-1668,CD Volume444

Keywords : caecum. crude-fibre. diets. digestibility. faeces. feeds. hay. liveweight-gain. lucerne. lucerne-hay. Quarter-Horse. soyabean-husks. volatile-fatty-acids

Soybean oil supplementation of a high-concentrate diet does not affect site and extent of organic matter, starch, neutral detergent fiber, or nitrogen digestion, but influences both ruminal metabolism and intestinal flow of fatty acids in limit-fed lambs/ Kucuk O Hess B W Rule D C

Journal of Animal Science. 2004. 82 (10). 2985-2994,CD Volume444

Keywords : diets. digestibility. fatty-acids. feed-supplements. fibre. intestinal-absorption. lambs. nitrogen. nutrients. organic-matter. polyenoic-fatty-acids. rumen. rumen-fermentation. rumen-metabolism. small-intestine. soyabean-oil. starch. volatile-fatty-acids

Ruminal biohydrogenation in Holstein cows fed soybean fatty acids as amides or calcium salts/ Lundy F P III Block E Bridges W C Jr Bertrand J A Jenkins T C

Journal of Dairy Science. 2004. 87 (4). 1038-1046,CD Volume444

Keywords : amides. cows. dairy-cows. diets. fatty-acids. oleic-acid. omasum. polyunsaturated-fats. rumen-digestion. rumen-microorganisms. soyabeans

Response of lactating dairy cows to diets containing wet corn gluten feed or a raw soybean hull-corn steep liquor pellet

/Wickersham E E Shirley J E Titgemeyer E C Brouk M J DeFrain J M Park A F Johnson D E Ethington R T

Journal of Dairy Science. 2004. 87 (11). 3899-3911,CD Volume444

Keywords : ammonia. cows. crude-protein. dairy-cattle. dairy-performance. diets. digestibility. digestion. dry-matter. fibre. hay. lactation. lucerne. lucerne-hay. maize. maize-gluten. maize-silage. maize-steep-liquor. milk. milk-composition. milk-yield. pelleted-feeds. pH. rumen-digestion. rumen-fluid. silage. soyabean-husks. soyabean-oilmeal. volatile-fatty-acids

Antigenotoxic effects of water extract from Korean fermented soybean paste (doen-jang)/ Kim JongGyu

Journal of Food Protection. 2004. 67 (1). 156-161,CD Volume441

Keywords : aflatoxins. back-mutations. cell-cultures. chromosome-aberrations. extracts. fermented-foods. genotoxicity. lungs. soyabean-products

Characterization of *Bacillus cereus* isolates from raw soybean sprouts/ Kim HyeJung Lee DongSun Paik HyunDong

Journal of Food Protection. 2004. 67 (5). 1031-1035, CD Volume 441

Keywords : coliform-bacteria. food-contamination. hydrolysis. microbial-activities. microbial-contamination. psychrotrophic-bacteria. soyabeans. sprouts. starch

Cytological expression in a ms1 male-sterile, female-fertile Brazilian soybean [Glycine max (L.) Merrill] mutant line compared with previous reports/ Bione N C P Boldrini K R Pagliarini M S DeAlmeida L A

Journal of Genetics & Breeding. 58(2). 2004. 163-168, CD Volume 435, Print Article Pages 163-168

Keywords : coenocytic-microspores; meiosis-cytokinesis; generative-cell; glycine-max; male-sterility; soybean

Parental selection for development of mapping populations for identification of QTL's for Sclerotinia stem rot resistance in soybean/ Luquez J Suarez P

Journal of Genetics & Breeding. 58(4). 2004. 349-352, CD Volume 458, Print Article Pages 349-352

Keywords : glycine-max; microsatellites; QTL's; Q-values; Sclerotinia-stem-rot; soybean

The roles of Glu186 and Glu380 in the catalytic reaction of soybean beta – amylase/ Kang YouNa Adachi M Utsumi S Mikami B

Journal of Molecular Biology. 2004. 339 (5). 1129-1140, CD Volume 428

Keywords : amino-acids. beta-amylase. chemical-structure. enzyme-activity. enzymes. glucose. glutamic-acid. glutamine. maltose. mutants. mutations. soyabeans. structure-activity-relationships

Life cycle, ultrastructure, and host specificity of the North American isolate of *Pasteuria* that parasitizes the soybean cyst nematode, *Heterodera glycines*/ Atibalentja N Jakstys B P Noel G R

Journal of Nematology. 2004. 36 (2). 171-180, CD Volume 442

Keywords : bacterial-spores. cell-ultrastructure. host-specificity. life-cycle. plant-parasitic-nematodes. plant-pests

Microarray analysis of gene expression in soybean roots susceptible to the soybean cyst nematode two days post invasion/ Khan R Alkharouf N Beard H MacDonald M Chouikha I Meyer S Grefenstette J Knap H Matthews B
Journal of Nematology. 2004. 36 (3). 241-248, CD Volume442

Keywords : biochemical-pathways. enzyme-activity. enzymes. gene-expression. genes. metabolism. peroxidase. plant-parasitic-nematodes. plant-pests. roots. signal-transduction. soybeans. susceptibility

Molecular Characterization of a Soybean Cyst Nematode (Heterodera glycines) Homolog of unc-87/ Matthews B F Pilitt K L Klink V
Journal of Nematology. 36(4). 2004. 457-465, CD Volume442

Keywords : gene-expression; Heterodera-glycines; in-situ-hybridization; soybean-cyst-nematode; Unc-87

Effect of phosphorus and molybdenum on yield, protein content and nutrient uptake by soybean on acid soils of Nagaland/Laitlanmawia L Singh A K Sharma S K
Journal of the Indian Society of Soil Science. 2004. 52 (2). 199-202 CD Volume439

Keywords : acid-soils. application-rates. crop-yield. growth. molybdenum. molybdenum-fertilizers. nitrogen. nodulation. nutrient-uptake. phosphorus. phosphorus-fertilizers. plant-nutrition. potassium. protein-content. root-nodules. sandy-loam-soils. soil-types. soybeans. stover

Effect of long-term manuring on soil organic carbon, bulk density and water retention characteristics under soybean-wheat cropping sequence in North-Western Himalayas/Ranjan Bhattacharyya Ved Prakash Kundu S Srivastva A K Gupta H S
Journal of the Indian Society of Soil Science. 2004. 52 (3). 238-242 CD Volume439

Keywords : application-rates. available-water-capacity. bulk-density. cropping-systems. farmyard-manure. Inceptisols. nitrogen-fertilizers. NPK-fertilizers. nutrient-content. organic-carbon. phosphorus-fertilizers. potassium-fertilizers.

sandy-loam-soils. soil-density. soil-organic-matter. soil-types. soil-water-retention. soyabeans. wheat

Effect of particle size and soybean oil supplementation on growth performance, carcass and meat quality and fatty acid composition of intramuscular lipids of lambs/Santos Silva J Mendes I A Portugal P V Bessa R J B

Livestock Production Science. 2004. 90 (2/3). 79-88 CD Volume429

Keywords : carcass-quality. carcass-weight. fatty-acids. feed-intake. growth. lambs. linoleic-acid. lipids. liveweight-gain. meat-quality. particle-size. sensory-evaluation. sheep-feeding. soyabean-oil

The Avr1b locus of *Phytophthora sojae* encodes an elicitor and a regulator required for avirulence on soybean plants carrying resistance gene Rps1b/Shan W X Cao M Leung D Tyler B M

Molecular Plant-Microbe Interactions. 2004. 17 (4). 394-403 CD Volume440

Keywords : disease-resistance. elicitors. fungal-diseases. gene-expression. gene-mapping. genes. genetic-resistance. loci. messenger-RNA. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Patterns of gene expression upon infection of soybean plants by *Phytophthora sojae*

Molecular Plant-Microbe Interactions. 2004. 17 (10). 1051-1062 CD Volume440

Moy P Qutob D Chapman B P Atkinson I Gijzen M

Keywords : complementary-DNA. defence-mechanisms. gene-expression. genes. growth. hosts. lipoxygenase. pathogenesis-related-proteins. peroxidase. phytoalexins. plant-pathogenic-fungi. plant-pathogens. ribosomal-RNA. soyabeans

NopB, a soybean cultivar-specificity protein from *Sinorhizobium fredii* USDA257, is a type III secreted protein/Lorio J C Kim W S Krishnan H B

Molecular Plant-Microbe Interactions. 2004. 17 (11). 1259-1268 CD Volume440

Keywords : amino-acids. Gram-negative-bacteria. nitrogen-fixation. nitrogen-fixing-bacteria. nodulation. nodules. proteins. soil-bacteria. soyabeans. Sinorhizobium fredii

Relationships among endo-polygalacturonase, oxalate, pH, and plant polygalacturonase-inhibiting protein (PGIP) in the interaction between *Sclerotinia sclerotiorum* and soybean/Favaron F Sella L D'Ovidio R
Molecular Plant-Microbe Interactions. 2004. 17 (12). 1402-1409 CD Volume440

Keywords : enzyme-inhibitors. enzymes. fungal-diseases. gene-expression. genes. hypocotyls. infection. oxalates. oxalic-acid. pH. plant-diseases. plant-pathogenic-fungi. plant-pathogens. plant-proteins. polygalacturonase. secretion. seedlings. soyabeans

Effects of soybean Kunitz trypsin inhibitor on the cotton boll weevil (*Anthonomus grandis*)/Franco O L Dias S C Magalhaes C P Monteiro A C S Bloch Junior C Melo F R Oliveira Neto O B Monnerat R G Grossi de Sa M F
Phytochemistry. 2004. 65 (1). 81-89 CD Volume430

Keywords : animal-anatomy. cotton. enzyme-activity. enzymes. in-vitro-culture. insect-pests. larvae. mortality. plant-pests. proteinases. soyabeans. tissue-culture. trypsin-inhibitors

Effect of chaotropic agents on reversible unfolding of a soybean (*Glycine max*) seed acid phosphatase/Cavagis A D M Granjeiro P A Ferreira C V Aoyama H
Phytochemistry. 2004. 65 (7). 831-836 CD Volume430

Keywords : acid-phosphatase. chemical-structure. enzymes. seeds. soyabeans. urea

High-throughput peptide mass fingerprinting of soybean seed proteins automated workflow and utility of UniGene expressed sequence tag databases for protein identification/Mooney B P Thelen J J
Phytochemistry. 2004. 65 (12). 1733-1744 CD Volume430

Keywords : alcohol-dehydrogenase. automation. binding-proteins. gene-expression. genes. nucleotide-sequences. plant-proteins. robots. seeds. soyabeans

Logistic regression modeling of prevalence of soybean Sclerotinia stem rot in the north-central region of the United States/Mila A L Carriquiry A L Yang X
Phytopathology. 2004. 94 (1). 102-110 CD Volume440

Keywords : **fungal-diseases. mathematical-models. meteorological-factors. plant-diseases. plant-pathogenic-fungi. plant-pathogens. precipitation. prediction. regression-analysis. soil-texture. soyabeans. temperature. tillage**

Genetic and phenotypic analysis of Soybean mosaic virus resistance in PI 88788 soybean/Gunduz I Buss G R Chen P Y Tolin S A

Phytopathology. 2004. 94 (7). 687-692 CD Volume440

Keywords : **complete-dominance. disease-resistance. genes. genotypes. heterozygosity. inheritance. phenotypes. plant-pathogens. soyabeans**

First report of pathogenic association between Fusarium graminearum and soybean/Pioli R N Mozzoni L Morandi E N

Plant Disease. 2004. 88 (2). 220 CD Volume440

Keywords : **hosts. new-host-records. plant-pathogenic-fungi. plant-pathogens. seeds. soyabeans. stems**

Effect of Sclerotinia stem rot on yield of soybean inoculated at different growth stages/Danielson G A Nelson B D Helms T C

Plant Disease. 2004. 88 (3). 297-300 CD Volume440

Keywords : **crop-growth-stage. crop-yield. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. seeds. soyabeans. yield-components Glycine-(Fabaceae). Glycine-max. Sclerotinia-sclerotiorum**

Races of Phytophthora sojae in Arkansas soybean fields and their effects on commonly grown soybean cultivars/Jackson T A Kirkpatrick T L Rupe J C

Plant Disease. 2004. 88 (4). 345-351 CD Volume440

Keywords : **artificial-selection. cultivars. disease-resistance. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. races. soyabeans**

Assessment of the potential year-round establishment of soybean rust throughout the world/Pivonia S Yang X B

Plant Disease. 2004. 88 (5). 523-529 CD Volume440

Keywords : algorithms. computer-simulation. epidemics. fungal-diseases. fungal-spores. geographical-distribution. invasions. overwintering. plant-diseases. plant-pathogenic-fungi. plant-pathogens. simulation-models. spore-dispersal. survival. Temperature

Occurrence of soybean stem canker (*Diaporthe phaseolorum* var. *meridionalis*) in Wisconsin/Li S Kurtzweil N C Grau C R Hartman G L

Plant Disease. 2004. 88 (5). 576 CD Volume440

Keywords : fungal-diseases. geographical-distribution. new-geographic-records. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. symptoms

Factors affecting soybean root colonization by *Calonectria ilicicola* and development of red crown rot following delayed planting/Kuruppu P U Schneider R W Russin J S

Plant Disease. 2004. 88 (6). 613-619 CD Volume440

Keywords : crop-growth-stage. cultivars. disease-resistance. fungal-diseases. inoculum-density. plant-diseases. plant-pathogenic-fungi. plant-pathogens. planting-date. roots. soil-temperature. Soyabeans

Effects of soil temperature on microsclerotia of *Calonectria ilicicola* and soybean root colonization by this fungus/Kuruppu P U Schneider R W Russin

Plant Disease. 2004. 88 (6). 620-624 CD Volume440

Keywords : fungal-diseases. incubation-duration. plant-diseases. plant-pathogenic-fungi. plant-pathogens. roots. sclerotia. soil-temperature. soyabeans. survival

Identification of soybean mosaic virus strains by RT-PCR/RFLP analysis of cylindrical inclusion coding region/Kim YulHo Kim OkSun Roh JaeHwan Moon JungKyung Sohn SooIn Lee SangChul Lee JangYong

Plant Disease. 2004. 88 (6). 641-644 CD Volume440

Keywords : analytical-methods. enzymes. nucleotide-sequences. phenotypes. plant-pathogens. polymerase-chain-reaction. restriction-endonucleases. restriction-fragment-length-polymorphism. strain-differences. strains. techniques

Soybean cultivar and foliar fungicide effects on Phomopsis sp. seed infection/Wrathner J A Shannon J G Stevens W E Sleper D A Arelli A P
Plant Disease. 2004. 88 (7). 721-723 CD Volume440

Keywords : benomyl. chemical-control. cultivars. disease-resistance. fungal-diseases. fungicides. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Resistance to brown stem rot in soybean germ plasm with resistance to the soybean cyst nematode/Hughes T J Kurtzweil N C Diers B W Grau C R
Plant Disease. 2004. 88 (7). 761-768 CD Volume440

Keywords : artificial-selection. crop-yield. plant-parasitic-nematodes. plant-pests. soyabeans

Resistance of soybean cultivars to field populations of Heterodera glycines in North Carolina/Koenning S R
Plant Disease. 2004. 88 (9). 942-950 CD Volume440

Keywords : artificial-selection. crop-yield. genetic-diversity. pest-resistance. plant-parasitic-nematodes. plant-pests. population-density. soyabeans

Soybean root systems and sudden death syndrome severity taproot and lateral root infection/Ortiz Ribbing L M Eastburn D M
Plant Disease. 2004. 88 (9). 1011-1016 CD Volume440

Keywords : cultivars. fungal-diseases. length. methodology. plant-diseases. plant-pathogenic-fungi. plant-pathogens. roots. soyabeans. surface-area
IdentifiersFusarium solani f.sp. glycines

Recent outbreak of soybean sudden death syndrome caused by Fusarium virguliforme and F. tucumaniae in Argentina/Scandiani M Ruberti D O'Donnell K Aoki T Pioli R Giorda L Luque A Biasoli M

Plant Disease. 2004. 88 (9). 1044 CD Volume440

Keywords : conidia. fungal-diseases. fungal-morphology. geographical-distribution. molecular-genetics. new-geographic-records. nucleotide-sequences. pathogenicity. phylogenetics. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Traits of soybean-infecting Phytophthora populations from Illinois agricultural fields/Malvick D K Grunden E

Plant Disease. 2004. 88 (10). 1139-1145 CD Volume440

Keywords : characterization. chemical-control. cultivars. fungal-diseases. fungicides. metalaxyl. pathotypes. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

First report of soybean dwarf virus on soybean in Wisconsin/Phibbs A Barta A Domier L L

Plant Disease. 2004. 88 (11). 1285 CD Volume440

Keywords : disease-distribution. geographical-distribution. insect-pests. new-geographic-records. plant-diseases. plant-pathogens. plant-pests. soyabeans

First report of soybean cyst nematode (*Heterodera glycines*) on soybean in North Dakota/Bradley C A Biller C R Nelson B D

Plant Disease. 2004. 88 (11). 1287 CD Volume440

Keywords : geographical-distribution. new-geographic-records. plant-parasitic-nematodes. plant-pests. soyabeans

Detection and quantification of *Fusarium solani* f. sp. *glycines* in soybean roots with real-time quantitative polymerase chain reaction/Gao X Jackson T A Lambert K N Li S Hartman G L Niblack T L

Plant Disease. 2004. 88 (12). 1372-1380 CD Volume440

Keywords : analytical-methods. disease-resistance. DNA. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. polymerase-chain-reaction. ribosomal-DNA. roots. screening. soyabeans

Cylindrocladium crotalariae causing red crown rot of soybean in China/Ma Z H Zhang Z D Wang Y X Yang X B

Plant Pathology. 2004. 53 (4). 537 CD Volume433

Keywords : fungal-diseases. geographical-distribution. new-geographic-records. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. symptoms

Residual effects of potassium placement for conservation-till corn on subsequent no-till soybean/ Yin X H Vyn T J

Soil & Tillage Research. 2004. 75 (2). 151-159 CD Volume428

Keywords : application-date. application-methods. broadcasting. conservation-tillage. crop-production. Luvisols. maize. no-tillage. potassium-fertilizers. residual-effects. rotations. silt-loam-soils. soil-types. soyabeans

Mechanical and cropping behavior of direct drilled soil under different traffic intensities effect on soybean (*Glycine max* L.) yields/Botta G F Jorajuria D Balbuena R Rosatto H

Soil & Tillage Research. 2004. 78 (1). 53-58 CD Volume428

Keywords : axles. bulk-density. crop-yield. direct-sowing. resistance-to-penetration. soil-compaction. soil-density. soil-physical-properties. soyabeans. tractors. traffic. tyres

The HFC/HCFC breakdown product trifluoroacetic acid (TFA) and its effects on the symbiosis between *Bradyrhizobium japonicum* and soybean (*Glycine max*)/Oehrle N W Green L S Karr D B Emerich D W

Soil Biology & Biochemistry. 2004. 36 (2). 333-342 CD Volume432

Keywords : acetates. acetylene-reduction. nitrogen-fixation. nitrogen-fixing-bacteria. nodulation. nutrient-solutions. polluted-soils. root-nodules. roots. seedlings. soil-pH. soil-pollution. soil-types. soyabeans. symbiosis

Soybean threshing mechanism development and testing/Fernando S Hanna M Mesquita C

Transactions of the ASAE. 2004. 47 (3). 599-605 CD Volume438

Keywords : breakage. combine-harvesters. combine-harvesting. design. efficiency. energy-requirements. equipment-performance.

mechanical-damage. mechanical-harvesting. performance-tests. power-requirement. rotational-speed. seed-quality. seeds. soyabeans. testas. threshing. threshing-damage. threshing-machines

High-pressure hydration treatment for soybean processing/Zhang H Ishida N Isobe S

Transactions of the ASAE. 2004. 47 (4). 1151-1158 CD Volume438

Keywords : food-processing. hydration. pressure-treatment. protein-content. soaking. soyabeans. water

Microwave and ultrasound assisted extraction of soybean oil/Li H Pordesimo L O Weiss J Wilhelm L R

Transactions of the ASAE. 2004. 47 (4). 1187-1194 CD Volume438

Keywords : extraction. food-processing. food-technology. microwave-treatment. soyabean-oil. ultrasound

Integrating remotely sensed images with a soybean model to improve spatial yield simulation/Seidl M S Batchelor W D Paz J O

Transactions of the ASAE. 2004. 47 (6). 2081-2090 CD Volume438

Keywords : crop-yield. image-analysis. image-processing. precision-agriculture. remote-sensing. soyabeans. spatial-variation

Effect of common waterhemp (*Amaranthus rudis*) emergence date on growth and fecundity in soybean/Hartzler R G Battles B A Nordby D

Weed Science. 2004. 52 (2). 242-245 CD Volume434

Keywords : biomass-production. emergence. growth. shoots. soyabeans. survival. weeds

Impact of composted swine manure and tillage on common waterhemp (*Amaranthus rudis*) competition with soybean/Menalled F D Liebman M Buhler D D

Weed Science. 2004. 52 (4). 605-613 CD Volume434

Keywords : chisel-ploughs. competitive-ability. composts. crop-weed-competition. crop-yield. emergence. fecundity. growth. no-tillage. pig-manure. plant-height. sex-determination. sex-

ratio. soil-amendments. sowing-date. stems. tillage. weeds. soyabeans

Detecting weed-free and weed-infested areas of a soybean field using near-infrared spectral data/Chang J Y Clay S A Clay D E Dalsted K
Weed Science. 2004. 52 (4). 642-648 CD Volume434

Keywords : canopy. covers. crop-residues. infestation. infrared-spectroscopy. reflectance. remote-sensing. soyabeans. spectral-data. weeds
CopyrightCopyright CAB International

Spectral reflectance curves to distinguish soybean from common cocklebur (*Xanthium strumarium*) and sicklepod (*Cassia obtusifolia*) grown with varying soil moisture/Henry W B Shaw D R Reddy K R Bruce L M Tamhankar H D
Weed Science. 2004. 52 (5). 788-796 CD Volume434

Keywords : leaf-water-potential. leaves. plant-water-relations. reflectance. soil-water. soyabeans. water-stress. weeds

Soybean canopy formation effects on pitted morningglory (*Ipomoea lacunosa*), common cocklebur (*Xanthium strumarium*), and sicklepod (*Senna obtusifolia*) emergence/Norsworthy J K
Weed Science. 2004. 52 (6). 954-960 CD Volume434

Keywords : canopy. crop-weed-competition. emergence. far-red-light. light-penetration. light-relations. red-light. seed-banks. seed-production. seeds. soil-temperature. soyabeans. tillage. weeds

BIBLIOGRAFI 2005

PROQUEST

Aerenchyma Formation and Recovery from Hypoxia of the Flooded Root System of Nodulated Soybean/A. L. THOMAS, S. M. C. GUERREIRO, L. SODEK.

Annals of Botany. Oxford: Dec 2005. Vol. 96, Iss. 7; p. 1191

Technology Adoption and Off-Farm Household Income: The Case of Herbicide-Tolerant Soybeans/Jorge Fernandez-Cornejo, Chad Hendricks, Ashok Mishra.

Journal of Agricultural and Applied Economics. Athens: Dec 2005. Vol. 37, Iss. 3; p. 549 (15 pages)

Induction of Thioredoxin Is Required for Nodule Development to Reduce Reactive Oxygen Species Levels in Soybean Roots1/ Mi-Young Lee, Ki-Hye Shin, Yun-Kyoung Kim, Ji-Yeon Suh, et al.

Plant Physiology. Rockville: Dec 2005. Vol. 139, Iss. 4; p. 1881 (9 pages)

The Diphenylether Herbicide Lactofen Induces Cell Death and Expression of Defense-Related Genes in Soybean1/Madge Y Graham. *Plant Physiology. Rockville: Dec 2005. Vol. 139, Iss. 4; p. 1784 (11 pages)*

Magic Soybeans? Testing the Promise of Soy Protein/*Anonymous*. Tufts University Health & Nutrition Letter. New York: Dec 2005. Vol. 23, Iss. 10; p. 4 (2 pages)

Economic Evaluation of Soybean Fungicide Seed Treatments/Paul Scott Poag, Michael Popp, John Rupe, Bruce Dixon, et al.

Agronomy Journal. Madison: Nov/Dec 2005. Vol. 97, Iss. 6; p. 1647 (11 p)

Agronomic Performance of Recombinant Inbred Line Populations Segregating for Isoflavone Content in Soybean Seeds/Valerio S Primomo, Vaino Poysa, Gary R Ablett, Chung-Ja Jackson, Istvan Rajcan.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2203 (9 pages)

Characterization of Resistance to Soybean mosaic virus in Diverse Soybean Germplasm/C Zheng, P Chen, R Gergerich.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2503 (7 pages)

Distribution and Mobilization of Sulfur during Soybean Reproduction /Seth L Naeve, Richard M Shibles.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2540 (12 pages)

Inheritance of Resistance to Phomopsis Seed Decay in Soybean PI 80837 and MO/PSD-0259 (PI 562694)/Eric W Jackson, Patrick Fenn, Pengyin Chen.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2400 (5 pages)

Localization of Two Loci that Confer Resistance to Soybean Cyst Nematode from Glycine soja PI 468916/E A Kabelka, S R Carlson, B W Diers.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2473 (9 pages)

Mapping QTL for Individual and Total Isoflavone Content in Soybean Seeds/Valerio S Primomo, Vaino Poysa, Gary R Ablett, Chung-Ja Jackson.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2454 (11 pages)

Molecular Marker Satt481 is Associated with Iron-Deficiency Chlorosis Resistance in a Soybean Breeding Population/Dirk V Charlson, Theodore B Bailey, Silvia R Cianzio, Randy C Shoemaker.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2394 (6 pages)

Registration of 'NC-Roy' Soybean/J W Burton, T E Carter Jr, D T Bowman.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2654 (1 page)

Registration of 'Freedom' Soybean/R L Paris, J M Tyler.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2645 (2 pages)

Registration of 'Randolph' Vegetable Soybean/T Mebrahtu, T E Devine, P Donald, T S Abney.

Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2644 (2 pages)

Resistance to Soybean Aphid in Early Maturing Soybean Germplasm/Clarice Mensah, Christina DiFonzo, Randall L Nelson, Dechun Wang.
Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2228 (6 pages)

Structure of Flavonoid 3'-Hydroxylase Gene for Pubescence Color in Soybean/Kyoko Toda, Maiko Akasaka, Emilyn G Dubouzet, Shinji Kawasaki, Ryoji Takahashi.
Crop Science. Madison: Nov/Dec 2005. Vol. 45, Iss. 6; p. 2212 (6 pages)

Isoleucine requirement of 80- to 120-kilogram barrows fed corn-soybean meal or corn-blood cell diets^{1,2,3}/D W Dean, L L Southern, B J Kerr, T D Bidner.
Journal of Animal Science. Savoy: Nov 2005. Vol. 83, Iss. 11; p. 2543 (11 p)

Soil organic carbon maintenance in corn (*Zea mays* L.) and soybean (*Glycine max* L.) as influenced by elevation zone/D E Clay, C G Carlson, S A Clay, J Chang, D D Malo.
Journal of Soil and Water Conservation. Ankeny: Nov/Dec 2005. Vol. 60, Iss. 6; p. 342 (7 pages)

The Role of Wall Ca²⁺ in the Regulation of Wall Extensibility During the Acid-induced Extension of Soybean Hypocotyl Cell Walls/Naofumi Ezaki, Nobuo Kido, Koji Takahashi, Kiyoshi Katou.
Plant & Cell Physiology. Oxford: Nov 2005. Vol. 46, Iss. 11; p. 1831

Principles of the Atmospheric Pathway for Invasive Species Applied to SoybeanRust /Scott A Isard, Stuart H Gage, Paul Comtois, Joseph M Russo. Bioscience.
Washington: Oct 2005. Vol. 55, Iss. 10; p. 851 (11 pages)

Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs^{1,2}/R A Bohlke, R C Thaler, H H Stein.
Journal of Animal Science. Savoy: Oct 2005. Vol. 83, Iss. 10; p. 2396 (8 p)

The wp Mutation of Glycine max Carries a Gene-Fragment-Rich Transposon of the CACTA Superfamily(W)/Gracia Zabala, Lila O Vodkin.

Plant Cell. Rockville: Oct 2005. Vol. 17, Iss. 10; p. 2619 (14 pages)

NH^{sub 4}^{sup +} Currents across the Peribacteroid Membrane of Soybean. Macroscopic and Microscopic Properties, Inhibition by Mg^{sup 2+}, and Temperature Dependence Indicate a SubpicoSiemens Channel Finely Regulated by Divalent Cations/ Gerhard Obermeyer, Stephen D Tyerman.

Plant Physiology. Rockville: Oct 2005. Vol. 139, Iss. 2; p. 1015 (15 pages)

Performance and Nutrient Utilization of Laying Hens Fed Low-Phosphorus Corn-Soybean and Wheat-Soybean Diets Supplemented with Microbial Phytase/F Liebert, J K Htoo, A Sünder.

Poultry Science. Savoy: Oct 2005. Vol. 84, Iss. 10; p. 1576 (8 pages)

Relative Bioavailability of Phosphorus and True Amino Acid Digestibility by Poultry as Affected by Soybean Extraction Time and Use of Low-Phytate Soybeans/L K Karr-Lilienthal, P L Utterback, C Martinez Amezcua, C M Parsons, et al.

Poultry Science. Savoy: Oct 2005. Vol. 84, Iss. 10; p. 1555 (7 pages)

Relationships of Isoflavone, Oil, and Protein in Seed with Yield of Soybean/Xinhua Yin, Tony J Vyn.

Agronomy Journal. Madison: Sep/Oct 2005. Vol. 97, Iss. 5; p. 1314 (8 pages)

The Distribution of Aquaporin Subtypes (PIP1, PIP2 and γ -TIP) is Tissue Dependent in Soybean (Glycine max) Root Nodules/Pierrette Fleurat-Lessard, Philippe Michonneau, Masayoshi Maeshima, Jean-Jacques Drevon, Rachid Serraj.

Annals of Botany. Oxford: Sep 2005. Vol. 96, Iss. 3; p. 457

Dry Matter Accumulation Predictors for Optimal Yield in Soybean/James E Board, Harikrishna Modali.

Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1790 (10 pages)

Effect of Temperature and Soil Moisture Status during Seed Development on Soybean Seed Isoflavone Concentration and Composition/Vera V Lozovaya, Anatoliy V Lygin, Alexander V Ulanov, Randall L Nelson, et al.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1934 (7 pages)

Mutations in Soybean Microsomal Omega-3 Fatty Acid Desaturase Genes Reduce Linolenic Acid Concentration in Soybean Seeds/Kristin Bilyeu, Lavanya Palavalli, David Sleper, Paul Beuselinck.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1830 (7 pages)

Performance of Forage Soybean in the Southern Great Plains/S C Rao, H S Mayeux, B K Northup. *Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1973 (5 pages)*

Phenotypic and Molecular Analysis of Oleate Content in the Mutant Soybean Line M23/Jessie L Alt, Walter R Fehr, Grace A Welke, Devinder Sandhu.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1997 (4 pages)

Planting Configuration × Cultivar Effects on Soybean Production in Low-Yield Environments/J J Heitholt, J B Farr, R Eason.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1800 (9 pages)

QTL Mapping of Antibiosis Resistance to Common Cutworm (*Spodoptera litura* Fabricius) in Soybean/Kunihiko Komatsu, Shiori Okuda, Masakazu Takahashi, Ryoichi Matsunaga, Yoshinori Nakazawa.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 2044 (5 pages)

Quantitative Trait Loci for Seed Protein and Oil Concentration, and Seed Size in Soybean/D R Panthee, V R Pantalone, D R West, A M Saxton, C E Sams.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 2015 (8 pages)

Shade and Temporal Distribution of Pod Production and Pod Set in Soybean/Dennis B Egli, William P Bruening.
Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1764 (6 pages)

Soybean Yield and Biomass Responses to Increasing Plant Population Among Diverse Maturity Groups: I. Agronomic Characteristics/Jeffrey T Edwards, Larry C Purcell.

Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1770 (8 pages)

Soybean Yield and Biomass Responses to Increasing Plant Population among Diverse Maturity Groups: II. Light Interception and Utilization/Jeffrey T Edwards, Larry C Purcell, Douglas E Karcher.

Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 1778 (8 pages)

Transgressive Segregation for Oleate Content in Three Soybean Populations/Jessie L Alt, Walter R Fehr, Grace A Welke, J Grover Shannon.

Crop Science. Madison: Sep/Oct 2005. Vol. 45, Iss. 5; p. 2005 (3 pages)

An Iron Uptake Operon Required for Proper Nodule Development in the Bradyrhizobium japonicum-Soybean Symbiosis/Heather P Benson, Eric Boncompagni, Mary Lou Guerinot

Molecular Plant-Microbe Interactions. St. Paul: Sep 2005. Vol. 18, Iss. 9; p. 950 (10 pages)

Cation Fluxes Cause Plasma Membrane Depolarization Involved in [beta]-Glucan Elicitor-Signaling in Soybean Roots/Axel Mithöfer, Jürgen Ebel, Hubert H Felle.

Molecular Plant-Microbe Interactions. St. Paul: Sep 2005. Vol. 18, Iss. 9; p. 983 (8 pages)

Evaluating UV-B Effects and EDU Protection in Soybean Leaves Using Fluorescence Elizabeth M Middleton, Moon S Kim, Donald T Krizek, Ravinder K S Bajwa/

Photochemistry and Photobiology. Augusta: Sep/Oct 2005. Vol. 81, Iss. 5; p. 1075 (11 pages)

The Relationship Between Aphis glycines and Soybean mosaic virus Incidence in Different Pest Management Systems/M E Lee Burrows, C M Boerboom, J M Gaska, C R Grau.

Plant Disease. St. Paul: Sep 2005. Vol. 89, Iss. 9; p. 926 (9 pages)

Effects of Water Stress on Respiration in Soybean Leaves1/
Miquel Ribas-Carbo, Nicolas L Taylor, Larry Giles, Silvia Busquets, et al.
Plant Physiology.

Rockville: Sep 2005. Vol. 139, Iss. 1; p. 466 (8 pages)

An Endopolygalacturonase from *Sclerotinia sclerotiorum* Induces Calcium-Mediated Signaling and Programmed Cell Death in Soybean Cells
Anna Zuppini, Lorella Navazio, Luca Sella, Carla Castiglioni, .

Et alMolecular Plant-Microbe Interactions. St. Paul: Aug 2005. Vol. 18, Iss. 8; p. 849 (7 pages)

Soybean Foods and Their Benefits: Potential Mechanisms of Action/Adetayo
O Omoni, Rotimi E Aluko.

Nutrition Reviews. Washington: Aug 2005. Vol. 63, Iss. 8; p. 272 (12 pages)

Homoglutathione Confers Tolerance to Acifluorfen in Transgenic Tobacco
Plants Expressing Soybean Homoglutathione Synthetase/Akifumi Sugiyama,
Jiro Sekiya.

Plant & Cell Physiology. Oxford: Aug 2005. Vol. 46, Iss. 8; p. 1428

First Report of Soybean Rust Caused by *Phakopsora pachyrhizi* in Uruguay
S Stewart, E A Guillin, L Díaz.

Plant Disease. St. Paul: Aug 2005. Vol. 89, Iss. 8; p. 909 (1 page)

Nutritive Values of Corn, Soybean Meal, Canola Meal, and Peas for Broiler
Chickens as Affected by a Multicarbohydrase Preparation of Cell Wall
DegradingEnzymesX/Meng, B A Slominski.

Poultry Science. Savoy: Aug 2005. Vol. 84, Iss. 8; p. 1242 (10 pages)

TILLINGGenesToImproveSoybeans/Don Comis.

Agricultural Research. Washington: Jul 2005. Vol. 53, Iss. 7; p. 4 (2 pages)

Defining Yield-Based Management Zones for Corn-Soybean Rotations
A Brock, S M Brouder, G Blumhoff, B S Hofmann.

Agronomy Journal. Madison: Jul/Aug 2005. Vol. 97, Iss. 4; p. 1115 (14 p)

Development and Evaluation of the RZWQM-CROPGRO Hybrid Model for Soybean Production/L Ma, G Hoogenboom, L R Ahuja, D C Nielsen, J C Ascough II.

Agronomy Journal. Madison: Jul/Aug 2005. Vol. 97, Iss. 4; p. 1172 (11 p)

Response of Maize and Soybean to Variability in Stand Uniformity Fernando H Andrade, Pablo E Abbate.

Agronomy Journal. Madison: Jul/Aug 2005. Vol. 97, Iss. 4; p. 1263 (7 pages)

Soybean Genotypic Difference in Growth, Nutrient Accumulation and Ultrastructure in Response to Manganese and Iron Supply in Solution Culture M. L. IZAGUIRRE-MAYORAL, T. R. SINCLAIR.

Annals of Botany. Oxford: Jul 2005. Vol. 96, Iss. 1; p. 149

Air Temperature During Seed Filling and Soybean Seed Germination and Vigor D B Egli, D M TeKrony, J J Heitholt, J Rupe.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1329 (7 pages)

Effects of Nitrogen and Calcium Supply on the Accumulation of Oxalate in Soybean Seeds John G Streeter.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1464 (5 pages)

Inheritance and Genetic Mapping of Resistance to Rhizoctonia Root and Hypocotyl Rot in Soybean/G Zhao, G R Ablett, T R Anderson, I Rajcan, A W Schaafsma.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1441 (7 pages)

Localization of a Quantitative Trait Locus Providing Brown Stem Rot Resistance in the Soybean Cultivar Bell/M E Patzoldt, C R Grau, P A Stephens, N C Kurtzweil, et al.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1241 (8 pages)

myo-Inositol, D-chiro-Inositol, and D-Pinitol Synthesis, Transport, and Galactoside Formation in Soybean Explants/Carly I Gomes, Ralph L Obendorf, Marcin Horbowicz.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1312 (8 pages)

Registration of S01-9269 Soybean Germplasm Line Resistant to Soybean Cyst Nematode with Seed Oil Low in Saturates/J G Shannon, D A Sleper, P R Arelli, J W Burton, et al.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1673 (2 pages)

Registration of TW 98-1 Soybean Genetic Stock/T E Devine.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1674 (2 pages)

Registration of LDX01-1-65 Soybean Germplasm with Soybean Cyst Nematode Resistance Derived from Glycine soja/B W Diers, P R Arelli, S R Carlson, W R Fehr, et al.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1671 (2 pages)

Registration of S99-11509 and S99-11986 Improved Soybean Germplasm with Diverse Pedigree/J G Shannon, R L Nelson, J A Wrather.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1672 (2 pages)

Relationship between Origin and Genetic Diversity in Chinese Soybean Germplasm/Yiwu Chen, Randall L Nelson.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1645 (8 pages)

Soybean Maturity and Pubescence Color Genes Improve Chilling Tolerance/Ryoji Takahashi, Eduardo R Benitez, Hideyuki Funatsuki, Shizen Ohnishi.

Crop Science. Madison: Jul/Aug 2005. Vol. 45, Iss. 4; p. 1387 (7 pages)

Effect of varying maize densities on intercropped maize and soybean in Nepal/B Prasad, R M Brook.

Experimental Agriculture. Cambridge: Jul 2005. Vol. 41, Iss. 3; p. 365 (18 p)

Resource Use Efficiency of Soybean in Rajasthan/D C Pant, B L Nagar.

Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2005. Vol. 60, Iss. 3; p. 542 (2 pages)

Detection of Soybean Rust caused by *Phakopsora pachyrhizi* in Northwestern Argentina/L D Ploper, V González, M R Gálvez, N V de Ramallo, et al.

Plant Disease. St. Paul: Jul 2005. Vol. 89, Iss. 7; p. 774 (1 page)

First Report of Bean pod mottle virus in Soybean in Iran/N Shahraeen, T Ghotbi, M Salati, A Sahandi.

Plant Disease. St. Paul: Jul 2005. Vol. 89, Iss. 7; p. 775 (1 page)

First Report of Soybean Rust Caused by *Phakopsora pachyrhizi* in the Continental United States/R W Schneider, C A Hollier, H K Whitam, M E Palm, et al.

Plant Disease. St. Paul: Jul 2005. Vol. 89, Iss. 7; p. 774 (1 page)

Soil-Test Phosphorus and Crop Grain Yield Responses to Long-Term Phosphorus Fertilization for Corn-Soybean Rotations/Jason R Dodd, Antonio P Mallarino.

Soil Science Society of America Journal. Madison: Jul/Aug 2005. Vol. 69, Iss. 4; p. 1118 (11 pages)

Dietary Fat and an Exogenous Emulsifier Increase the Gastrointestinal Absorption of a Major Soybean Allergen, Gly m Bd 30K, in Mice/Thanakorn Weangsripanaval, Tatsuya Moriyama, Tadashi Kageura, Tadashi Ogawa, Teruo Kawada.

The Journal of Nutrition. Bethesda: Jul 2005. Vol. 135, Iss. 7; p. 1738 (7 p)

New, simple methods for storing soybean seeds/Anonymous.

Appropriate Technology. Hemel Hempstead: Jun 2005. Vol. 32, Iss. 2; p. 28 (1 page)

Oligomerization Endows Enormous Stability to Soybean Agglutinin: A Comparison of the Stability of Monomer and Tetramer of Soybean Agglutinin/Sharmistha Sinha, Avadhesh Surolia.

Biophysical Journal. New York: Jun 2005. Vol. 88, Iss. 6; p. 4243 (9 pages)

Selection of Heterodera glycines Chorismate Mutase-1 Alleles on Nematode-Resistant Soybean

Kris N Lambert, Sadia Bekal, Leslie L Domier, Terry L Niblack, et al.

Molecular Plant-Microbe Interactions. St. Paul: Jun 2005. Vol. 18, Iss. 6; p. 593 (9 pages)

Distribution and Biocontrol Potential of phlD⁺ Pseudomonads in Corn and Soybean Fields/Brian B McSpadden Gardener, Laura J Gutierrez, Raghavendra Joshi, Richard Edema, Elizabeth Lutton.

Phytopathology. St. Paul: Jun 2005. Vol. 95, Iss. 6; p. 715 (10 pages)

Responses to Soybean Rust in the USA/Anonymous *Phytopathology. St. Paul: Jun 2005. Vol. 95, Iss. 6; p. S144 (1 page)*

Assessment of Epidemic Potential of Soybean Rust in the United States S Pivonia, X B Yang, Z Pan.

Plant Disease. St. Paul: Jun 2005. Vol. 89, Iss. 6; p. 678 (5 pages)

Breeding for Resistance to Soybean Rust/Glen L Hartman, Monte R Miles, Reid D Frederick.

Plant Disease. St. Paul: Jun 2005. Vol. 89, Iss. 6; p. 664 (3 pages)

Epidemiology and Chemical Control of Soybean Rust in Southern Africa C Levy.

Plant Disease. St. Paul: Jun 2005. Vol. 89, Iss. 6; p. 669 (6 pages)

Epidemics of Soybean Rust (*Phakopsora pachyrhizi*) in Brazil and Paraguay from 2001 to 2003//J T Yorinori, W M Paiva, R D Frederick, L M Costamilan, et al.

Plant Disease. St. Paul: Jun 2005. Vol. 89, Iss. 6; p. 675 (3 pages)

Soybean Rust in Argentina / A Ivancovich

Plant Disease. St. Paul: Jun 2005. Vol. 89, Iss. 6; p. 667 (2 pages)

Soybean Rust: Too Close for Comfort/G L Peterson, K L Kosta.

Plant Disease. St. Paul: Jun 2005. Vol. 89, Iss. 6; p. 663 (1 page)

Effect of Row Spacing and Soybean Genotype on Mainstem and Branch Yield/Jason K Norsworthy, Emerson R Shipe.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 919 (5 pages)

High Rates of Fe-EDDHA and Seed Iron Concentration Suggest Partial Solutions to Iron Deficiency in Soybean/John V Wiersma.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 924 (11 p)

Management and Production Potential of Value-Added Soybean Cultivars in South Central USA/Saratha Kumudini, Larry J Grabau, Todd W Pfeiffer, Colleen C Steele.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 904 (6 pages)

Method and Timing of Rye Control Affects Soybean Development and Resource Utilization/Leslie R Westgate, Jeremy W Singer, Keith A Kohler.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 806 (11 page)

Response of Soybean Grain Oil and Protein Concentrations to Foliar and Soil Fertilization/ Mazhar U Haq, Antonio P Mallarino.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 910 (9 pages)

Response of No-Till Soybean [Glycine max (L.) Merr.] to Timing of Preplant and Foliar Potassium Applications in a Claypan Soil/Kelly A Nelson, Peter P Motavalli, Manjula Nathan.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 832 (7 pages)

Tillage and Urea Ammonium Nitrate Fertilizer Rate and Placement Affects Winter Wheat following Grain Sorghum and Soybean/W Kelley, D W Sweeney.

Agronomy Journal. Madison: May/June 2005. Vol. 97, Iss. 3; p. 690 (8 pages)

Soybean Aphid, *Aphis glycines* Matsumura, a New Vector of Potato Virus Y in Potato/Jeffrey A Davis, Edward B Radcliffe, David W Ragsdale.

American Journal of Potato Research. Orono: May/June 2005. Vol. 82, Iss. 3; p. 197 (5 pages)

Response of Respiration of Soybean Leaves Grown at Ambient and Elevated Carbon Dioxide Concentrations to Day-to-day Variation in Light and Temperature under Field Conditions/JAMES A. BUNCE.

Annals of Botany. Oxford: May 2005. Vol. 95, Iss. 6; p. 1059

Characterization of a nonphotosynthetic NADP-malic enzyme from germinating soybean cotyledons: interaction with a 94-kDa polypeptide identified as a lipoxygenase/María Lorena Falcone Ferreyra, María Fabiana Drincovich, Carlos S Andreo, Florencio E Podestá.

Canadian Journal of Botany. Ottawa: May 2005. Vol. 83, Iss. 5; p. 529 (10 p)

Association between Soybean Cyst Nematode Resistance Loci and Yield in Soybean/F J Kopisch-Obuch, R L McBroom, B W Diers.

Crop Science. Madison: May/Jun 2005. Vol. 45, Iss. 3; p. 956 (10 pages)

Characterization of Resistance to Brown Stem Rot of Soybean in Five Accessions from Central China/M E Patzoldt, S R Carlson, B W Diers.

Crop Science. Madison: May/Jun 2005. Vol. 45, Iss. 3; p. 1092 (4 pages)

Comparative Responses of Container- versus Ground-Grown Soybean to Elevated Carbon Dioxide and Ozone/Fitzgerald L Booker, Joseph E Miller, Edwin L Fiscus, Walter A Pursley, Leonard A Stefanski.

Crop Science. Madison: May/Jun 2005. Vol. 45, Iss. 3; p. 883 (13 pages)

Effect of Temperature on the Expression of Necrosis in Soybean Infected with Soybean mosaic virus/C Zheng, P Chen, R Gergerich.

Crop Science. Madison: May/Jun 2005. Vol. 45, Iss. 3; p. 916 (7 pages)

Genetic Improvement Rates of Short-Season Soybean Increase with Plant Population/Elroy R Cober, Malcolm J Morrison, Baoluo Ma, Gail Butler.

Crop Science. Madison: May/Jun 2005. Vol. 45, Iss. 3; p. 1029 (6 pages)

Nitrogen Application Increases Yield and Early Dry Matter Accumulation in Late-Planted Soybean/R Scott Taylor, David B Weaver, C Wesley Wood, Edzard van Santen. *Crop Science. Madison: May/Jun 2005. Vol. 45, Iss. 3; p. 854 (5 pages)*

Comparison of soybean wax firelogs, commercial firelogs, and firewood with respect to air emissions/Cornelis F de Hoop, W Ramsay Smith, Arthur M Sterling, James T Houston Jr.

Forest Products Journal. Madison: May 2005. Vol. 55, Iss. 5; p. 52 (7 pages)

Proteomic Analysis of Soybean Root Hairs After Infection by Bradyrhizobium japonicum Jinrong Wan, Michael Torres, Ashwin Ganapathy, Jay Thelen, et al.

Molecular Plant-Microbe Interactions. St. Paul: May 2005. Vol. 18, Iss. 5; p. 458 (10 pages)

Citrate Secretion Coupled with the Modulation of Soybean Root Tip under Aluminum Stress. Up-Regulation of Transcription, Translation, and Threonine-Oriented Phosphorylation of Plasma Membrane H⁺-ATPase1 Hong Shen, Long Fei He, Takayuki Sasaki, Yoko Yamamoto, et al.

Plant Physiology. Rockville: May 2005. Vol. 138, Iss. 1; p. 287 (10 pages)

Environmental Influences on Isoflavones and Saponins in Soybeans and Their Role in Colon Cancer^{1,2}/Ruth S MacDonald, JuYuan Guo, Jonathan Copeland, Jimmy D Browning Jr, et al.

The Journal of Nutrition. Bethesda: May 2005. Vol. 135, Iss. 5; p. 1239 (4 p)

Genetic analysis and molecular mapping of a pale flower allele at the W4 locus in soybean/Min Xu, Reid G Palmer.

Genome. Ottawa: Apr 2005. Vol. 48, Iss. 2; p. 334 (7 pages)

Forward Pricing Behavior of Corn and Soybean Producers Todd D Davis, George F Patrick, Keith H Coble, Thomas O Knight, Alan E Baquet.

Journal of Agricultural and Applied Economics. Athens: Apr 2005. Vol. 37, Iss. 1; p. 145 (16 pages)

Roasted Full-Fat Soybeans in Starter, Grower, and Finisher Diets for Female Broiler Turkeys/J L MacIsaac, K L Burgoyne, D M Anderson, B R Rathgeber.

Journal of Applied Poultry Research. Savoy: Spring 2005. Vol. 14, Iss. 1; p. 116 (6 pages)

Use of High Levels of Full-Fat Soybeans in Laying Hen Diets N Senkoylu, H E Samli, H Akyurek, A Agma, S Yasar.

Journal of Applied Poultry Research. Savoy: Spring 2005. Vol. 14, Iss. 1; p. 32 (6 pages)

Antioxidant enzymes and isoflavonoids in chilled soybean (*Glycine max* (L.) Merr.) seedlings*/Malgorzata M Posmyk, Christoph Bailly, Katarzyna Szafranska, Krystyna M Janas, Françoise Corbineau.

J. of Plant Physiology. Stuttgart: Apr 2005. Vol. 162, Iss. 4; p. 403 (10 p)

Greenhouse Evaluation of Binucleate *Rhizoctonia* for Control of *R. solani* in Soybean/F U Khan, B D Nelson, T C Helms.

Plant Disease. St. Paul: Apr 2005. Vol. 89, Iss. 4; p. 373 (7 pages)

Seasonal Progression and Agronomic Impact of Tobacco streak virus on Soybean in Wisconsin/P F Rabedeaux, J M Gaska, N C Kurtzweil, C R Grau.

Plant Disease. St. Paul: Apr 2005. Vol. 89, Iss. 4; p. 391 (6 pages)

A Systematic Proteomic Study of Seed Filling in Soybean. Establishment of High-Resolution Two-Dimensional Reference Maps, Expression Profiles, and an Interactive Proteome Database1[w]/Martin Hajduch, Ashwin Ganapathy, Joel W Stein, Jay J Thelen.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1397 (23 pages)

Inhibition of N² Fixation in Soybean Is Associated with Elevated Ureides and Amino Acids1/C Andy King, Larry C Purcell.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1389 (8 pages)

Partial Reconstruction of Flavonoid and Isoflavonoid Biosynthesis in Yeast Using Soybean Type I and Type II Chalcone Isomerases1[w]/Lyle Ralston, Senthil Subramanian, Michiyo Matsuno, Oliver Yu.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1375 (14 pages)

RNA Interference of Soybean Isoflavone Synthase Genes Leads to Silencing in Tissues Distal to the Transformation Site and to Enhanced Susceptibility to *Phytophthora sojae*1/Senthil Subramanian, Madge Y Graham, Oliver Yu, Terrence L Graham.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1345 (9 pages)

Transgenic Expression of the Soybean Apyrase in *Lotus japonicus* Enhances Nodulation1/Crystal B McAlvin, Gary Stacey.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1456 (7 pages)

Nitrogen Application to Soybean at Early Reproductive Development
Daniel W Barker, John E Sawyer.

Agronomy Journal. Madison: Mar/Apr 2005. Vol. 97, Iss. 2; p. 615 (5 pages)

Use of a Rye Cover Crop following Corn in Rotation with Soybean in the
Upper Midwest/ Jason L De Bruin, Paul M Porter, Nicholas R Jordan.

Agronomy Journal. Madison: Mar/Apr 2005. Vol. 97, Iss. 2; p. 587 (12 p)

Weed Management in Glyphosate-Resistant and Non-Glyphosate-Resistant
Soybean Grown Continuously and in Rotation/Larry G Heatherly, Krishna N
Reddy, Stan R Spurlock.

Agronomy Journal. Madison: Mar/Apr 2005. Vol. 97, Iss. 2; p. 568 (10 p)

Agronomic and Seed Characteristics of Soybean with Reduced Raffinose and
Stachyose/ Jason D Neus, Walter R Fehr, Steven R Schnebly.

Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 589 (4 pages)

Agronomic and Seed Traits of Soybean Lines with Low-Phytate Phosphorus
Sheilah E Oltmans, Walter R Fehr, Grace A Welke, Victor Raboy, Kevin L
Peterson.

Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 593 (6 pages)

Debunking Soybean Myths and Legends in the Historical and Popular
Literature/T Hymowitz, W R Shurtleff.

Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 473 (4 pages)

Engineering Soybean for Enhanced Sulfur Amino Acid Content/Hari B
Krishnan.

Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 454 (8 pages)

Evaluation of Ancestral Lines of U.S. Soybean Cultivars for Resistance to
Four Soybean Viruses/Y Wang, H A Hobbs, C B Hill, L L Domier, et al. Crop
Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 639 (6 pages)

Inheritance of Promiscuous Nodulation in Soybean/E T Gwata, D S Wofford,
K J Boote, A R Blount, P L Pfahler.

Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 635 (4 pages)

Soybean Allergenicity and Suppression of the Immunodominant Allergen
Eliot Herman.

Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 462 (6 pages)

Effects of pinitol isolated from soybeans on glycaemic control and
cardiovascular risk factors in Korean patients with type II diabetes mellitus: A
randomized controlled study/J I Kim, J C Kim, M-J Kang, M-S Lee, et al.

*European Journal of Clinical Nutrition. London: Mar 2005. Vol. 59, Iss. 3; p.
456*

Nitrate Losses in Subsurface Drainage from a Corn-Soybean Rotation as
Affected by Fall and Spring Application of Nitrogen and Nitrapyrin
G W Randall, J A Vetsch.

*Journal of Environmental Quality. Madison: Mar/Apr 2005. Vol. 34, Iss. 2; p.
590 (8 pages)*

Tillage and Crop Residue Effects on Soil Carbon and Carbon Dioxide
Emission in Corn-Soybean Rotations/Mahdi M Al-Kaisi, Xinhua Yin.

*Journal of Environmental Quality. Madison: Mar/Apr 2005. Vol. 34, Iss. 2; p.
437 (9 pages)*

Vegetative Compatibility Groups in *Cercospora kikuchii*, the Causal Agent of
Cercospora Leaf Blight and Purple Seed Stain in Soybean
G Cai, R W Schneider.

Phytopathology. St. Paul: Mar 2005. Vol. 95, Iss. 3; p. 257 (5 pages)

Comparison of soybean wax firelogs, commercial firelogs, and firewood with
respect to air emissions/Cornelis F de Hoop, W Ramsay Smith, Arthur M
Sterling, James T Houston

Jr. Forest Products Journal. Madison: May 2005. Vol. 55, Iss. 5; p. 52 (7 p)

Proteomic Analysis of Soybean Root Hairs After Infection by
Bradyrhizobium japonicum

Jinrong Wan, Michael Torres, Ashwin Ganapathy, Jay Thelen, et al.

*Molecular Plant-Microbe Interactions. St. Paul: May 2005. Vol. 18, Iss. 5; p.
458 (10 pages)*

Citrate Secretion Coupled with the Modulation of Soybean Root Tip under Aluminum Stress. Up-Regulation of Transcription, Translation, and Threonine-Oriented Phosphorylation of Plasma Membrane H⁺-ATPase1/Hong Shen, Long Fei He, Takayuki Sasaki, Yoko Yamamoto, et al. *Plant Physiology*. Rockville: May 2005. Vol. 138, Iss. 1; p. 287 (10 pages)

Environmental Influences on Isoflavones and Saponins in Soybeans and Their Role in Colon Cancer1,2/Ruth S MacDonald, JuYuan Guo, Jonathan Copeland, Jimmy D Browning Jr, et al. *The Journal of Nutrition*. Bethesda: May 2005. Vol. 135, Iss. 5; p. 1239 (4 p)

Genetic analysis and molecular mapping of a pale flower allele at the W4 locus in soybean/Min Xu, Reid G Palmer. *Genome*. Ottawa: Apr 2005. Vol. 48, Iss. 2; p. 334 (7 pages)

Forward Pricing Behavior of Corn and Soybean Producers Todd D Davis, George F Patrick, Keith H Coble, Thomas O Knight, Alan E Baquet. *Journal of Agricultural and Applied Economics*. Athens: Apr 2005. Vol. 37, Iss. 1; p. 145 (16 pages)

Roasted Full-Fat Soybeans in Starter, Grower, and Finisher Diets for Female Broiler Turkeys/J L MacIsaac, K L Burgoyne, D M Anderson, B R Rathgeber. *Journal of Applied Poultry Research*. Savoy: Spring 2005. Vol. 14, Iss. 1; p. 116 (6 pages)

Use of High Levels of Full-Fat Soybeans in Laying Hen Diets N Senkoylu, H E Samli, H Akyurek, A Agma, S Yasar. *Journal of Applied Poultry Research*. Savoy: Spring 2005. Vol. 14, Iss. 1; p. 32 (6 pages)

Antioxidant enzymes and isoflavonoids in chilled soybean (*Glycine max* (L.) Merr.) seedlings*/Malgorzata M Posmyk, Christoph Bailly, Katarzyna Szafranska, Krystyna M Janas, Françoise Corbiveau. *J. of Plant Physiology*. Stuttgart: Apr 2005. Vol. 162, Iss. 4; p. 403 (10 p)

Greenhouse Evaluation of Binucleate Rhizoctonia for Control of R. solani in Soybean/F U Khan, B D Nelson, T C Helms.

Plant Disease. St. Paul: Apr 2005. Vol. 89, Iss. 4; p. 373 (7 pages)

Seasonal Progression and Agronomic Impact of Tobacco streak virus on Soybean in Wisconsin/P F Rabedeaux, J M Gaska, N C Kurtzweil, C R Grau.

Plant Disease. St. Paul: Apr 2005. Vol. 89, Iss. 4; p. 391 (6 pages)

A Systematic Proteomic Study of Seed Filling in Soybean. Establishment of High-Resolution Two-Dimensional Reference Maps, Expression Profiles, and an Interactive Proteome Database1[w]/Martin Hajduch, Ashwin Ganapathy, Joel W Stein, Jay J Thelen.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1397 (23 pages)

Inhibition of N^{sub} 2[^] Fixation in Soybean Is Associated with Elevated Ureides and Amino Acids1/C Andy King, Larry C Purcell.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1389 (8 pages)

Partial Reconstruction of Flavonoid and Isoflavonoid Biosynthesis in Yeast Using Soybean Type I and Type II Chalcone Isomerases1[w] Lyle Ralston, Senthil Subramanian, Michiyo Matsuno, Oliver Yu.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1375 (14 pages)

RNA Interference of Soybean Isoflavone Synthase Genes Leads to Silencing in Tissues Distal to the Transformation Site and to Enhanced Susceptibility to Phytophthora sojae1/Senthil Subramanian, Madge Y Graham, Oliver Yu, Terrence L Graham.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1345 (9 pages)

Transgenic Expression of the Soybean Apyrase in Lotus japonicus Enhances Nodulation1/Crystal B McAlvin, Gary Stacey.

Plant Physiology. Rockville: Apr 2005. Vol. 137, Iss. 4; p. 1456 (7 pages)

Nitrogen Application to Soybean at Early Reproductive Development Daniel W Barker, John E Sawyer.

Agronomy Journal. Madison: Mar/Apr 2005. Vol. 97, Iss. 2; p. 615 (5 pages)

Use of a Rye Cover Crop following Corn in Rotation with Soybean in the Upper Midwest/Jason L De Bruin, Paul M Porter, Nicholas R Jordan.
Agronomy Journal. Madison: Mar/Apr 2005. Vol. 97, Iss. 2; p. 587 (12 p)

Weed Management in Glyphosate-Resistant and Non-Glyphosate-Resistant Soybean Grown Continuously and in Rotation/Larry G Heatherly, Krishna N Reddy, Stan R Spurlock.
Agronomy Journal. Madison: Mar/Apr 2005. Vol. 97, Iss. 2; p. 568 (10 p)

Agronomic and Seed Characteristics of Soybean with Reduced Raffinose and Stachyose/Jason D Neus, Walter R Fehr, Steven R Schnebly.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 589 (4 pages)

Agronomic and Seed Traits of Soybean Lines with Low-Phytate Phosphorus/Sheilah E Oltmans, Walter R Fehr, Grace A Welke, Victor Raboy, Kevin L Peterson.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 593 (6 ps)

Debunking Soybean Myths and Legends in the Historical and Popular Literature/T Hymowitz, W R Shurtleff.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 473 (4 pages)

Engineering Soybean for Enhanced Sulfur Amino Acid Content Hari B Krishnan.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 454 (8 pages)

Evaluation of Ancestral Lines of U.S. Soybean Cultivars for Resistance to Four Soybean Viruses/Y Wang, H A Hobbs, C B Hill, L L Domier, et al.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 639 (6 pages)

Inheritance of Promiscuous Nodulation in Soybean/E T Gwata, D S Wofford, K J Boote, A R Blount, P L Pfahler.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 635 (4 pages)

Soybean Allergenicity and Suppression of the Immunodominant Allergen Eliot Herman.
Crop Science. Madison: Mar/Apr 2005. Vol. 45, Iss. 2; p. 462 (6 pages)

Effects of pinitol isolated from soybeans on glycaemic control and cardiovascular risk factors in Korean patients with type II diabetes mellitus: A randomized controlled study/J I Kim, J C Kim, M-J Kang, M-S Lee, et al.
European Journal of Clinical Nutrition. London: Mar 2005. Vol. 59, Iss. 3; p. 456

Nitrate Losses in Subsurface Drainage from a Corn-Soybean Rotation as Affected by Fall and Spring Application of Nitrogen and Nitrapyrin
G W Randall, J A Vetsch.
Journal of Environmental Quality. Madison: Mar/Apr 2005. Vol. 34, Iss. 2; p. 590 (8 pages)

Tillage and Crop Residue Effects on Soil Carbon and Carbon Dioxide Emission in Corn-Soybean Rotations
Mahdi M Al-Kaisi, Xinhua Yin.
Journal of Environmental Quality. Madison: Mar/Apr 2005. Vol. 34, Iss. 2; p. 437 (9 pages)

Vegetative Compatibility Groups in *Cercospora kikuchii*, the Causal Agent of *Cercospora* Leaf Blight and Purple Seed Stain in Soybean/G Cai, R W Schneider.
Phytopathology. St. Paul: Mar 2005. Vol. 95, Iss. 3; p. 257 (5 pages)

Helicoverpa zea (Lepidoptera: Noctuidae) dynamics and parasitism in Maryland soybeans/Philip W Tipping, Carol A Holko, Richard A Bean.
The Florida Entomologist. Lutz: Mar 2005. Vol. 88, Iss. 1; p. 55 (6 pages)

Unfolding Studies on Soybean Agglutinin and Concanavalin A Tetramers: A Comparative Account/Sharmistha Sinha, Nivedita Mitra, Gyanendra Kumar, Kanika Bajaj, Avadhesh Surolia.
Biophysical Journal. New York: Feb 2005. Vol. 88, Iss. 2; p. 1300 (11 pages)

Genomic analysis of a region encompassing QRfs1 and QRfs2: genes that underlie soybean resistance to sudden death syndrome/K Triwitayakorn, V N Njiti, M J Iqbal, S Yaegashi, et al.
Genome. Ottawa: Feb 2005. Vol. 48, Iss. 1; p. 125 (14 pages)

Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods1/R M Yamka, B M Hetzler, D L Harmon.

Journal of Animal Science. Savoy: Feb 2005. Vol. 83, Iss. 2; p. 393 (7 pages)

Influence of Extruded Soybeans With or Without Bicarbonate on Milk Performance and Fatty Acid Composition of Goat Milk/P Schmidely, P Morand-Fehr, D Sauvant.

Journal of Dairy Science. Champaign: Feb 2005. Vol. 88, Iss. 2; p. 757 (9 p)

Allergenic Proteins in Soybean: Processing and Reduction of P34 Allergenicity/Shannon Wilson, Kristen Blaschek, Elvira Gonzalez de Mejia.

Nutrition Reviews. Washington: Feb 2005. Vol. 63, Iss. 2; p. 47 (12 pages)

Nitric Oxide Mediates Gravitropic Bending in Soybean Roots1[w] Xiangyang Hu, Steven J Neill, Zhangcheng Tang, Weiming Cai.

Plant Physiology. Rockville: Feb 2005. Vol. 137, Iss. 2; p. 663 (8 pages)

The effects of barge shocks on soybean basis levels in Arkansas: A study of market integration/Andrew M. McKenzie.

Agribusiness. Hoboken: Winter 2005. Vol. 21, Iss. 1; p. 37 (16 pages)

Effects of Broiler Litter on Soybean Production and Soil Nitrogen and Phosphorus Concentrations/Ardeshir Adeli, Karamat R Sistani, Dennis E Rowe, Haile Tewolde.

Agronomy Journal. Madison: Jan/Feb 2005. Vol. 97, Iss. 1; p. 314 (8 pages)

Flue Gas Desulfurization Products as Sulfur Sources for Alfalfa and Soybean Liming Chen, Warren A Dick, Sid Nelson Jr.

Agronomy Journal. Madison: Jan/Feb 2005. Vol. 97, Iss. 1; p. 265 (7 pages)

Growth and Fecundity of Several Weed Species in Corn and Soybean S A Clay, J Kleinjan, D E Clay, F Forcella, W Batchelor.

Agronomy Journal. Madison: Jan/Feb 2005. Vol. 97, Iss. 1; p. 294 (9 pages)

Implementation of Soybean in Cotton Cropping Sequences for Management of Reniform Nematode in South Texas/Andreas Westphal, Andrew W Scott.

Crop Science. Madison: Jan/Feb 2005. Vol. 45, Iss. 1; p. 233 (7 pages)

Registration of D98-1218 Soybean Germplasm Line Resistant To Phytophthora Rot (Rps2) And Soybean Cyst Nematode Races 3 (HG Type 0) And 14 (HG Type 1.3.6.7)/Alemu Mengistu, T C Kilen, P A Donald.
Crop Science. Madison: Jan/Feb 2005. Vol. 45, Iss. 1; p. 427 (2 pages)

Registration of 'LaMoure' Soybean/T C Helms, B D Nelson, R J Goos.
Crop Science. Madison: Jan/Feb 2005. Vol. 45, Iss. 1; p. 410 (1 page)

Registration of 'S99-3181' Soybean/J G Shannon, S C Anand, P R Arelli, J A Wrather, D A Sleppey.
Crop Science. Madison: Jan/Feb 2005. Vol. 45, Iss. 1; p. 407 (2 pages)

Registration of 'NE2701' Soybean/G L Graef, D M White, L L Korte.
Crop Science. Madison: Jan/Feb 2005. Vol. 45, Iss. 1; p. 410 (2 pages)

Registration of 'Asmara' Vegetable Soybean/T Mebrahtu, T E Devine, P Donald, T S Abney.
Crop Science. Madison: Jan/Feb 2005. Vol. 45, Iss. 1; p. 408 (2 pages)

Soybean Development is Affected by Method and Timing of Rye Control in Cover Crop Systems/Leslie R Westgate, Jeremy W Singer.
Journal of Natural Resources and Life Sciences Education. Madison: 2005. Vol. 34; p. 17 (5 pages)

Asian Soybean Rust: Incidence, Severity, and Morphological Characterization of *Phakopsora pachyrhizi* (Uredinia and Telia) in Argentina/M A Carmona, M E Gally, S E Lopez.
Plant Disease. St. Paul: Jan 2005. Vol. 89, Iss. 1; p. 109 (1 page)

First Report of Bean pod mottle virus in Soybean in Alabama/E J Sikora, J F Murphy.
Plant Disease. St. Paul: Jan 2005. Vol. 89, Iss. 1; p. 108 (1 page)

Incidence of Soybean dwarf virus and Identification of Potential Vectors in Illinois/Barbara Harrison, Todd A Steinlage, Leslie L Domier, Cleora J D'Arcy.
Plant Disease. St. Paul: Jan 2005. Vol. 89, Iss. 1; p. 28 (5 pages)

The Effect of Soybean Soapstock on the Quality Parameters and Fatty Acid Composition of the Hen Egg Yolk/V T Pardío, L A Landín, K N Waliszewski, F Pérez-Gil, et al.
Poultry Science. Savoy: Jan 2005. Vol. 84, Iss. 1; p. 148 (10 pages)

SCIENCE DIRECT

Feasibility of quantifying ecosystem-atmosphere C18O16O exchange using laser spectroscopy and the flux-gradient method/ T.J. Griffis, X. Lee, J.M. Baker, S.D. Sargent, J.Y. King.
Agricultural and Forest Meteorology, Volume 135, Issues 1-4, 14 December 2005, Pages 44-60.

Keywords : Oxygen isotopes; Carbon dioxide; Water vapor; Tunable diode laser (TDL); Ecosystem discrimination; Flux partitioning

Soybean isoflavones: Efficacy of extraction conditions and effect of food type on extractability/ Allaoua Achouri, Joyce Irene Boye, Denis Belanger.
Food Research International, Volume 38, Issue 10, December 2005, Pages 1199-1204.

Keywords : Soy meal; Soy protein isolate; Quantitative analysis; Isoflavones; HPLC

Light promotes the synthesis of lignin through the production of H₂O₂ mediated by diamine oxidases in soybean hypocotyls/ Guoxing Su, Zhenfeng An, Wenhua Zhang, Youliang Liu.
Journal of Plant Physiology, Volume 162, Issue 12, 1 December 2005, Pages 1297-1303.

Keywords : Aminoguanidine; Diamine oxidases; Hydrogen peroxide; 2-hydroxyethylhydrazine; Lignin; Soybean hypocotyls

Apoplastic redox metabolism: Synergistic phenolic oxidation and a novel oxidative burst/ C. Jacyn Baker, Daniel P. Roberts, Norton M. Mock, Bruce D. Whitaker, Kenneth L. Deahl, Andrey A. Aver'yanov.

Physiological and Molecular Plant Pathology, Volume 67, Issue 6, , December 2005, Pages 296-303.

Keywords : Co-oxidation; Phenolics; Glycine max; Nicotiana tabacum; Pseudomonas syringae; Oxidative burst; Hydrogen peroxide; Apoplast; Redox metabolism; Suspension cells

Mechanism of soybean (*Glycine max* L. Merrill) degreening related to maturity stage and postharvest drying temperature/ Patricia Sinnecker, Nelson Braga, Eduardo L.A. Macchione, Ursula M. Lanfer-Marquez

Postharvest Biology and Technology, Volume 38, Issue 3, December 2005, Pages 269-279.

Keywords : Soybean; Degreening; Maturation; Temperature of drying

Determination of the best management for soybean cropping following barley/ Iraj Amini.

Soil and Tillage Research, Volume 84, Issue 2, December 2005, Pages 168-174.

Keywords : Soybean; Double cropping; Barley residue management; Tillage; Within row spacing

Rice-soybean rotations: opportunities for enhancing whole farm profits or water savings/ Michael Popp, Patrick Manning, Paul Counce, Terry Keisling.

Agricultural Systems, Volume 86, Issue 2, November 2005, Pages 223-238.

Keywords : Water use efficiency; Rice-soybean crop rotations; Irrigation modeling

Soil carbon and nitrogen changes as affected by tillage system and crop biomass in a corn-soybean rotation/ Mahdi M. Al-Kaisi, Xinhua Yin, Mark A. Licht.

Applied Soil Ecology, Volume 30, Issue 3, November 2005, Pages 174-191.

Keywords : Carbon input; Corn; Soil organic carbon; Soil organic nitrogen; Soybean; Tillage; Yield

Rheological properties and stability of model salad dressing emulsions prepared with a dry-heated soybean protein isolate-dextran mixture/ N.G. Diftis, C.G. Biliaderis, V.D. Kiosseoglou.

Food Hydrocolloids, Volume 19, Issue 6, November 2005, Pages 1025-1031.

Keywords : Salad dressings; Emulsion rheology; Creaming stability; Maillard-type glyco-conjugate; Soy protein isolate; Dextran

Tillage impacts on soil aggregation and carbon and nitrogen sequestration under wheat cropping sequences/ Alan L. Wright, Frank M. Hons,

Soil and Tillage Research, Volume 84, Issue 1, November 2005, Pages 67-75.

Keywords : Carbon sequestration; Conventional tillage; Cropping sequences; Nitrogen sequestration; No-tillage

Mapping soybean sudden death syndrome as related to yield and soil/site properties/ S.-K. Chong, K.K. Hildebrand, Y. Luo, O. Myers, S.J. Indorante, A. Kazakevicius, J. Russin.

Soil and Tillage Research, Volume 84, Issue 1, , November 2005, Pages 101-107.

Keywords : Soil compaction; No-till; Water-logging; Fusarium solani f sp glycines

Chemical and nutritional properties of soybean carbohydrates as related to nonruminants: A review/ L.K. Karr-Lilienthal, C.T. Kadzere, C.M. Grieshop, G.C. Fahey Jr.,

Livestock Production Science, v. 97, Issue 1, , October 2005, Pages 1-12.

Keywords : Soybean; Carbohydrates; Swine; Poultry; Nutrition

Soybean mosaic virus helper component-protease enhances somatic embryo production and stabilizes transgene expression in soybean/ Hyoun-Sub Lim, Tae-Seok Ko, Kris N. Lambert, Hong-Gi Kim, Schuyler S. Korban, Glen L. Hartman, Leslie L. Domier,

Plant Physiology and Biochemistry, Volume 43, Issues 10-11, , October-November 2005, Pages 1014-1021.

Keywords : Helper component protease; Post-transcriptional gene silencing; Somatic embryogenesis

Nod factor induces soybean resistance to powdery mildew/ Haifa M. Duzan, Fazli Mabood, Xiaomin Zhou, Alfred Souleimanov, Donald L. Smith. *Plant Physiology and Biochemistry*, Volume 43, Issues 10-11, , October-November 2005, Pages 1022-1030.

Keywords : Disease resistance; Nod factor; Phenylalanine ammonia lyase; Soybean

Genes coding for a putative cell-wall invertase and two putative monosaccharide/H⁺ transporters are expressed in roots of etiolated Glycine max seedlings/ Maria Dimou, Emmanouil Flietakis, Costas Delis, Georgios Aivalakis, Karoline G. Spyropoulos, Panagiotis Katinakis. *Plant Science*, Volume 169, Issue 4, , October 2005, Pages 798-804.

Keywords : Cell-wall invertase; Glycine max; In situ hybridization; Monosaccharide/H⁺ transporter; Root; Phloem unloading

Effect of boiling and roasting on the fermentation of soybeans into dawadawa (soy-dawadawa)/ Sarah Dakwa, Esther Sakyi-Dawson, Charles Diako, Nana Takyiwa Annan, Wisdom Kofi Amoa-Awua. *International Journal of Food Microbiology*, Volume 104, Issue 1, , 25 September 2005, Pages 69-82.

Keywords : Fermentation; Soybeans; Dawadawa; Bacillus species; Soy-dawadawa

Reproductive development and yield components in indeterminate soybean as affected by post-flowering photoperiod/ Adriana G. Kantolic, Gustavo A. Slafer. *Field Crops Research*, Volume 93, Issues 2-3, , 14 September 2005, Pages 212-222.

Keywords : Soybean; Glycine max; Photoperiod; Development; Yield components

Differential sensitivity to chloride and sodium ions in seedlings of Glycine max and G. soja under NaCl stress/ Qingyun Luo, Bingjun Yu, Youliang Liu. *Journal of Plant Physiology*, Volume 162, Issue 9, , 14 September 2005, Pages 1003-1012.

Keywords : Cl⁻; Cultivated soybean; Na⁺; NaCl; Salt tolerance; Wild soybean

Expression of a fungal cyanamide hydratase in transgenic soybean detoxifies cyanamide in tissue culture and in planta to provide cyanamide resistance/ Xing-Hai Zhang, Wei Qun Zhong, Jack M. Widholm.

Journal of Plant Physiology, Volume 162, Issue 9, , 14 September 2005, Pages 1064-1073.

Keywords : Cyanamide; Cyanamide hydratase; Glycine max; Selectable marker gene

Cloning and characterization of a novel rice gene family encoding putative dual-specificity protein kinases, involved in plant responses to abiotic and biotic stresses/ Zhimin Gu, Jianfei Wang, Ji Huang, Hongsheng Zhang.

Plant Science, Volume 169, Issue 3, , September 2005, Pages 470-477.

Keywords : Oryza sativa L.; Dual-specificity protein kinase; Gene cloning; Expression pattern; Abiotic stress; Biotic stress

Gross primary production and ecosystem respiration of irrigated maize and irrigated soybean during a growing season/ Andrew E. Suyker, Shashi B. Verma, George G. Burba, Timothy J. Arkebauer.

Agricultural and Forest Meteorology, Volume 131, Issues 3-4, , 31 August 2005, Pages 180-190.

Keywords : Ecosystem; Maize; Soybean

Modulation of nitrate reductase activity in rice seedlings under aluminium toxicity and water stress: role of osmolytes as enzyme protectant/ Pallavi Sharma, Rama Shanker Dubey.

Journal of Plant Physiology, Volume 162, Issue 8, , 23 August 2005, Pages 854-864.

Keywords : Aluminium; Metal toxicity; NaCl salinity; Nitrate reductase; Oryza sativa; Osmolytes; Water stress

Effects of liquid swine manure applications on NO₃-N leaching losses to subsurface drainage water from loamy soils in Iowa/ A.Bakhsh, R.S. Kanwar, D.L. Karlen.

Agriculture, Ecosystems & Environment, Volume 109, Issues 1-2, , 1 August 2005, Pages 118-128.

Keywords : Subsurface drainage; Nitrate leaching; Manure; Crop rotation; Loamy soils in Iowa

Soybean milk residue ensiled with peanut hulls: fermentation acids, cell wall composition, and silage utilization by mixed ruminal microorganisms/ C.-M.J. Yang.

Bioresource Technology, v. 96, Issue 12, , August 2005, Pages 1419-1424.

Keywords : Soybean milk residue; Peanut hulls; Silage fermentation; Cell wall; Ruminal fermentation

Stomatal control and water use efficiency of soybean (*Glycine max L. Merr.*) during progressive soil drying/ Fulai Liu, Mathias N. Andersen, Sven-Erik Jacobsen, Christian R. Jensen.

Environmental and Experimental Botany, Volume 54, Issue 1, , August 2005, Pages 33-40.

Keywords : Drought stress; FTSW; Glycine max L.; Photosynthesis; Stomatal conductance; Transpiration; WUE

Comparison of the Effect of Using Cottonseed Oil (CSO) versus Soybean Oil (SBO) on the Acceptability of Baked Products/ J.D. Radcliffe, L.M. Hernandez, V. Imrhan, L. Axt,

Journal of the American Dietetic Association, Volume 105, Issue 8, Supplement 1, August 2005, Page 39.

Evapotranspiration and seed yield of field grown soybean under deficit irrigation conditions/ Fadi Karam, Randa Masaad, Therese Sfeir, Oussama Mounzer, Youssef Roupheal

Agricultural Water Management, Volume 75, Issue 3, , 25 July 2005, Pages 226-244.

Keywords : Glycine max L. Merrill; Reference crop; Lysimeter; Deficit irrigation; Water stress

Yield components, dry matter, LAI and LAD of soybeans in Northeast China/ Xiaobing Liu, Jian Jin, S.J. Herbert, Qiuying Zhang, Guanghua Wang.

Field Crops Research, Volume 93, Issue 1, , 14 July 2005, Pages 85-93.

Keywords : Soybean; Yield and yield components; LAI; LAD; Dry matter

Artificial neural networks for corn and soybean yield prediction/ Monisha Kaul, Robert L. Hill, Charles Walthall.

Agricultural Systems, Volume 85, Issue 1, , July 2005, Pages 1-18.

Keywords : Artificial neural network; Yield prediction models; Soil fertility; Multiple regression

Purification and characterisation of a family of glutathione transferases with roles in herbicide detoxification in soybean (*Glycine max* L.); selective enhancement by herbicides and herbicide safeners/ Christopher J. Andrews, Ian Cummins, Mark Skipsey, Nicholas M. Grundy, Ian Jepson, Jane Townson, Robert Edwards.

Pesticide Biochemistry and Physiology, Volume 82, Issue 3, , July 2005, Pages 205-219.

Keywords : Chloroacetanilides; Diphenyl ether; Glutathione transferase; Homoglutathione; Herbicide; Safener; Sulfonylurea

Ultraviolet-B effects on stomatal density, water-use efficiency, and stable carbon isotope discrimination in four glasshouse-grown soybean (*Glycine max*) cultivars/ Dennis C. Gitz III, Lan Liu-Gitz, Steven J. Britz, Joe H. Sullivan.

Environmental and Experimental Botany, Volume 53, Issue 3, , June 2005, Pages 343-355.

Keywords : Flavonoids; Stomata; UV-B; Water-use efficiency

Molecular and biochemical characterisation of a serine acetyltransferase of onion, *Allium cepa* (L.)/ Michael T. McManus, Susanna Leung, Anya Lambert, Richard W. Scott, Meeghan Pither-Joyce, Balance Chen, John McCallum.

Phytochemistry, Volume 66, Issue 12, , June 2005, Pages 1407-1416.

Keywords : Allium cepa (L.); Liliaceae; Onion; Recombinant enzyme; Serine acetyltransferase; Sulfur metabolism

Identification of corresponding genes for three low-[alpha]-linolenic acid mutants and elucidation of their contribution to fatty acid biosynthesis in soybean seed/ Toyoaki Anai, Tomoko Yamada, Takehito Kinoshita, Shaikh M. Rahman, Yutaka Takagi.

Plant Science, Volume 168, Issue 6, , June 2005, Pages 1615-1623.

Keywords : Soybean mutant; [alpha]-Linolenic acid; Microsomal [omega]-3 fatty acid desaturase; Frame shift; Yeast expression system; FAD3

Comparison of corn gluten products and a soybean-bran mixture as sources of protein for lactating Chios ewes/ Ch. Milis, D. Liamadis, N. Roubies, V. Christodoulou, A. Giouseljiannis.

Small Ruminant Research, Volume 58, Issue 3, , June 2005, Pages 237-244.

Keywords : Ewes milk; Protein source; Lysine; Serum metabolites

Feed intake, growth, plasma glucose and urea nitrogen concentration, and carcass traits of lambs fed isoenergetic amounts of canola meal, soybean meal, and fish meal with forage based diet/ E.N. Ponnampalam, A.R. Egan, A.J. Sinclair, B.J. Leury.

Small Ruminant Research, Volume 58, Issue 3, , June 2005, Pages 245-252.

Keywords : Oilseed meals; Growth; Dry matter intake; Carcass weight; Fatness

Symbiotic effectiveness and host ranges of indigenous rhizobia nodulating promiscuous soyabean varieties in Zimbabwean soils/ K. Musiyiwa, S. Mpeperek, K.E. Giller,

Soil Biology and Biochemistry, Volume 37, Issue 6, , June 2005, Pages 1169-1176.

Keywords : Promiscuous soyabean; Indigenous rhizobia; Symbiotic effectiveness; Host range

The effect of growing soybean (*Glycine max. L.*) on N₂O emission from soil/ Lanfang Yang, Zucong Cai

Soil Biology and Biochemistry, Volume 37, Issue 6, , June 2005, Pages 1205-1209.

Keywords : Soybean; Growth stage; Cutting aerial part; N₂O emission

Carbon budget of mature no-till ecosystem in North Central Region of the United States/ Steven E. Hollinger, Carl J. Bernacchi, Tilden P. Meyers.

Agricultural and Forest Meteorology, Volume 130, Issues 1-2, , 24 May 2005, Pages 59-69.

Keywords : Eddy covariance; NEE; Maize; Soybean; Carbon budget

Detection of *Hirsutella* spp. and *Pasteuria* sp. parasitizing second-stage juveniles of *Heterodera glycines* in soybean fields in China/ Rui Ma, Xingzhong Liu, Heng Jian, Shidong Li.

Biological Control, Volume 33, Issue 2, , May 2005, Pages 223-229.

Keywords : Hirsutella spp; Nematode pathogens; Parasitism; Pasteuria sp; Soybean; Soybean cyst nematode

Immobilized *Pseudomonas cepacia* lipase for biodiesel fuel production from soybean oil/ H. Nouredini, X. Gao, R.S. Philkana.

Bioresource Technology, Volume 96, Issue 7, , May 2005, Pages 769-777.

Keywords : Transesterification; Biodiesel; Immobilization; Entrapment; Lipase; Sol-gel; Soybean oil; Pseudomonas cepacia

Heat induced gelling properties of soy protein isolates prepared from different defatted soybean flours/ Yufei Hua, Steve W. Cui, Qi Wang, Yoshinori Mine, Vaino Poysa.

Food Research International, v. 38, Issue 4, , May 2005, Pages 377-385.

Keywords : Soybean; Soy proteins; Soy protein isolates; Gel; Gelling ability; Gelation

Changing soybean isoflavone composition and concentrations under two different storage conditions over three years/ Jong Jin Kim, Seung Hyun Kim, Sang Jun Hahn, Ill Min Chung.

Food Research International, v. 38, Issue 4, , May 2005, Pages 435-444.

Keywords : Soybeans; Isoflavone; Low temperature; Room temperature; Storage period; HPLC

Quality characteristics of farmed Atlantic salmon (*Salmo salar*) fed diets high in soybean or fish oil as affected by cold-smoking temperature/ Anna Maria Bencze Rora, Sveinung Birkeland, Lisbeth Hultmann, Turid Rustad, Torstein Skara, Bjorn Bjerkeng.

LWT - Food Science and Technology, Volume 38, Issue 3, , May 2005, Pages 201-211.

Keywords : Cold-smoking; Process temperature; Liquid holding capacity; Texture; Total phenols

Infusion of an endoglucanase and an endoxylanase from *Aspergillus niger* in soybean/ Theodoros H. Varzakas, Dimitrios Arapoglou, Cleanthes J. Israilides.

LWT - Food Science and Technology, v. 38, Issue 3, May 2005, p. 239-247.

Keywords : Enzyme infusion; Endoglucanase; Endoxylanase; Soybean; Fluorescent microscopy; Effective diffusivity

Concentrations of oxysterols in meat and meat products from pigs fed diets differing in the type of fat (palm oil or soybean oil) and vitamin E concentrations/ K. Eder, G. Muller, H. Kluge, F. Hirche, C. Brandsch.

Meat Science, Volume 70, Issue 1, , May 2005, Pages 15-23.

Keywords : Dietary fat; Dietary vitamin E; Pig; Meat; Sausage; Oxysterols

Spatial and temporal expression analysis of defense-related genes in soybean cultivars with different levels of partial resistance to *Phytophthora sojae*/ Miguel E. Vega-Sanchez, Margaret G. Redinbaugh, Stefano Costanzo, Anne E. Dorrance

Physiological and Molecular Plant Pathology, Volume 66, Issue 5, , May 2005, Pages 175-182.

Keywords : Partial resistance; Soybean; Glycine max; Phytophthora sojae; Defense-related genes; Pathogenesis-related genes; RNA blot analysis; Time-course infection assay; Roots; Cotyledons

Expression of the soybean (Kunitz) trypsin inhibitor in leaves of white clover (*Trifolium repens* L.)/ Michael T. McManus, William A. Laing, Lyn M. Watson, Ngaire Markwick, Christine R. Voisey, Derek W.R. White.

Plant Science, Volume 168, Issue 5, , May 2005, Pages 1211-1220.

Keywords : Trifolium repens L.; Insect pest resistance; Transgenic white clover; Soybean (Kunitz) trypsin inhibitor

Amphibians occurring in soybean and implications for biological control in Argentina/ Andres M. Attademo, Paola M. Peltzer, Rafael C. Lajmanovich.

Agriculture, Ecosystems & Environment, Volume 106, Issue 4, , 30 April 2005, Pages 389-394.

Keywords : Amphibian; Argentina; Cropland; Soybean

Antioxidant enzymes and isoflavonoids in chilled soybean (*Glycine max* (L.) Merr.) seedlings/ Malgorzata M. Posmyk, Christoph Bailly, Katarzyna Szafranska, Krystyna M. Janas, Françoise Corbineau.

Journal of Plant Physiology, Volume 162, Issue 4, , 22 April 2005, Pages 403-412.

Keywords : Antioxidant enzymes; Chilling; Isoflavonoids; L-Phenylalanine ammonia-lyase; Soybean

Comparison of vegetative development in soybean cultivars for low-latitude environments/ T.R. Sinclair, N. Neumaier, J.R.B. Farias, A.L. Nepomuceno.

Field Crops Research, Volume 92, Issue 1, , 14 April 2005, Pages 53-59.

Keywords : Soybean; Flowering date; Emergence date; Phyllochron interval

Effects of soybean oil supplementation of high forage fattening diet on fatty acid profiles in lipid depots of fattening bull calves, and their levels of blood vitamin E/ Y. Aharoni, A. Orlov, A. Brosh, R. Granit, J. Kanner.

Animal Feed Science and Technology, Volume 119, Issues 3-4, , 4 April 2005, Pages 191-202.

Keywords : Beef; CLA; Soybean oil; Extruded soybeans; Forage; FA; Vitamin E

Orius insidiosus (Say) as a predator of the soybean aphid, *Aphis glycines* Matsumura/ Claire E. Rutledge, Robert J. O'Neil

Biological Control, Volume 33, Issue 1, , April 2005, Pages 56-64.

Keywords : Soybean aphid; Aphis glycines; Orius insidiosus; Biological control; Population suppression

Enhanced photoprotection at the early stages of leaf expansion in field-grown soybean plants/ Chuang-Dao Jiang, Peng-Min Li, Hui-Yuan Gao, Qi Zou, Gao-Ming Jiang, Ling-Hao Li.

Plant Science, Volume 168, Issue 4, , April 2005, Pages 911-919.

Keywords : Photosynthesis; Chlorophyll fluorescence; Xanthophyll cycle; Antioxidant enzyme

Cropping systems effects on snowmelt losses of solids and associated organic carbon/ J.F. Moncrief, P.P. Sharma, J.J. Xia, S.C. Gupta,

Soil and Tillage Research, Volume 81, Issue 2, , Soil Erosion and Carbon Dynamics, April 2005, Pages 195-204.

Keywords : Corn; Soybean; Surface runoff; Oxygen demand

Effect of fall tillage following soybeans on organic matter losses in snowmelt/
A.Z.H. Ranaivoson, J.F. Moncrief, N.C. Hansen, S.C. Gupta.

Soil and Tillage Research, Volume 81, Issue 2, , Soil Erosion and Carbon Dynamics, April 2005, Pages 205-216.

Keywords : Corn; Soybeans; Surface runoff; Snowmelt; Oxygen demand; Carbon

Soil organic carbon changes after 12 years of no-tillage and tillage of Grantsburg soils in southern Illinois/ K.R. Olson, J.M. Lang, S.A. Ebelhar.

Soil and Tillage Research, Volume 81, Issue 2, , Soil Erosion and Carbon Dynamics, April 2005, Pages 217-225.

Keywords : Organic carbon; Soil erosion; Soil loss; Tillage; No-tillage

Soil carbon and nitrogen changes as influenced by tillage and cropping systems in some Iowa soils/ Mahdi M. Al-Kaisi, Xinhua Yin, Mark A. Licht

Agriculture, Ecosystems & Environment, Volume 105, Issue 4, , 5 March 2005, Pages 635-647.

Keywords : Cropping system; Smooth brome grass; Soil organic carbon; Switchgrass; Tillage; Total nitrogen

Identifying potential soybean management zones from multi-year yield data/
Dan B. Jaynes, Tom S. Colvin, Tom C. Kaspar.

Computers and Electronics in Agriculture, Volume 46, Issues 1-3, , Applications of Apparent Soil Electrical Conductivity in Precision Agriculture, March 2005, Pages 309-327.

Keywords : Yield zones; Clustering; Soybean; Yield variability; Terrain; Soil electrical conductivity

Effect of high-pressure treatment on emulsifying properties of soybean proteins/ M.C. Puppo, F. Speroni, N. Chapleau, M. de Lamballerie, M.C. Anon, M. Anton.

Food Hydrocolloids, Volume 19, Issue 2, , March 2005, Pages 289-296.

Keywords : Soybean protein isolates; High-pressure treatment; Emulsifying properties; Emulsion rheology

Deterioration of olive, corn and soybean oils due to air, light, heat and deep-frying/ Shahina Naz, Rahmanullah Siddiqi, Hina Sheikh, Syed Asad Sayeed
Food Research International, Volume 38, Issue 2, , March 2005, Pages 127-134.

Keywords : Deterioration; %Free fatty acid; Peroxide value; Iodine value; p-Anisidine value; Antioxidant; Deep frying

Analysis of polyamine metabolism in soybean seedlings using ¹⁵N-labelled putrescine/ Masato Ohe, Masaki Kobayashi, Masaru Niitsu, Nello Bagni, Shigeru Matsuzaki.

Phytochemistry, Volume 66, Issue 5, , March 2005, Pages 523-528.

Keywords : Glycine max; Leguminosae; Soybean; Metabolism; Translocation; Polyamine

A multifunctional galactinol synthase catalyzes the synthesis of fagopyritol A1 and fagopyritol B1 in buckwheat seed/ Takashi Ueda, Mark P. Coseo, Thomas J. Harrell, Ralph L. Obendorf,

Plant Science, Volume 168, Issue 3, , March 2005, Pages 681-690.

Keywords : Galactosyl cyclitol; D-chiro-Inositol; [alpha]-(1-3) Linkage; Fagopyritol synthase

Rapid effect of copper on lignin biosynthesis in soybean roots/ Chih-Cheng Lin, Li-Ming Chen, Zin-Huang Liu.

Plant Science, Volume 168, Issue 3, , March 2005, Pages 855-861.

Keywords : Glycine max; Copper; Lignification; Peroxidase

Effect of feeding [gamma]-irradiated soybean on growth performance and blood metabolites in barbari kids/ Veena Mani, Prakash Chandra

Small Ruminant Research, Volume 57, Issues 2-3, , March 2005, Pages 213-219.

Keywords : [gamma]-Ray; Irradiation; Growth performance; Blood metabolites; Soybean; Goats

Penetration resistance as affected by shallow-cut land leveling and cropping/
K. R. Brye, N. A. Slaton, R. J. Norman.

Soil and Tillage Research, Volume 81, Issue 1, , March 2005, Pages 1-13.

Keywords : Cone index; Bulk density; Flooded soil; Rice; Soybean; Soil texture; Arkansas

Long-term tillage effects on cool-season soybean in rotation with barley, soil properties and carbon and nitrogen storage for fine sandy loams in the humid climate of Atlantic Canada/ M.R. Carter

Soil and Tillage Research, Volume 81, Issue 1, , March 2005, Pages 109-120.

Keywords : Soybeans; Barley; Grain protein; Conservation tillage; Soil carbon and nitrogen storage; Soil nutrients; Soil microbial biomass; Sandy loams; Atlantic Canada

Examining strategies to improve the carbon balance of corn/soybean agriculture using eddy covariance and mass balance techniques/ J.M. Baker, T.J. Griffis.

Agricultural and Forest Meteorology, Volume 128, Issues 3-4, , 28 February 2005, Pages 163-177.

Keywords : Carbon balance; NEE; Cover crop; Strip tillage; Sequestration; Corn-soybean rotation

Divergent selection at ultra-low plant density for seed protein and oil content within soybean cultivars/ Vasilisa A. Fasoula, H. Roger Boerma,

Field Crops Research, Volume 91, Issues 2-3, , 14 February 2005, Pages 217-229.

Keywords : Intra-cultivar variation; Single-plant selection; Ultra-low plant density; Seed protein; Seed oil; Fatty acids

Effects of chemically treated soybeans and expeller rapeseed meal on in vivo and in situ crude fat and crude protein disappearance from the rumen/ M. Wulf, K.-H. Sudekum

Animal Feed Science and Technology, Volume 118, Issues 3-4, , 4 February 2005, Pages 215-227.

Keywords : Cattle; Rumen; Fat; Protein; Soybeans; Expeller rapeseed meal

Control of the soybean cyst nematode by the fungi *Hirsutella rhossiliensis* and *Hirsutella minnesotensis* in greenhouse studies/ Senyu Chen, Xingzhong Liu. *Biological Control*, Volume 32, Issue 2, , February 2005, Pages 208-219.

Keywords : Biological control; Heterodera glycines; Hirsutella minnesotensis; Hirsutella rhossiliensis; Nematophagous fungi; Parasitism; Soybean cyst nematode

Corrigendum to 'High-throughput peptide mass fingerprinting of soybean seed proteins: automated workflow and utility of UniGene expressed sequence tag databases for protein identification/ Brian Mooney, Jay J. Thelen.

Phytochemistry 65 (2004) 1733-1744], *Phytochemistry* Volume 66, Issue 3, , February 2005, Page 383.

Deposition of suberin in roots of soybean induced by excess boron/ Faezeh Ghanati, Akio Morita, Hiromi Yokota.

Plant Science, Volume 168, Issue 2, , February 2005, Pages 397-405.

Keywords : Excess boron; Lignin; Phenolics; Soybean; Suberin

Modification of cadmium toxicity in soybean seedlings by salicylic acid/ Gordana Drazic, Nevena Mihailovic.

Plant Science, Volume 168, Issue 2, , February 2005, Pages 511-517.

Keywords : Chlorophyll content; General antistress response; Heavy metal; Macronutrients; Water balance

Crop water deficit estimation and irrigation scheduling in western Jilin province, Northeast China/ Qu Sheng Li, Lyman S. Willardson, Wei Deng, Xiu Jun Li, Chang Jiang Liu.

Agricultural Water Management, Volume 71, Issue 1, , 15 January 2005, Pages 47-60.

Keywords : Evapotranspiration; Crop water deficit; Available soil moisture; Supplemental irrigation scheduling; Crop yields

SOYBEANS: Improvement, Production, and Uses. Third Edition: Boerma, H.R., Specht, J.E. (Eds), American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Madison, Wisconsin, USA, 2004, 1144 pp./ Kenton Dashiell.

Agricultural Systems, Volume 83, Issue 1, , January 2005, Pages 110-111.

Spider ballooning in soybean and non-crop areas of southeast Queensland/
Sarina Pearce, Myron P. Zalucki, Errol Hassan.

Agriculture, Ecosystems & Environment, Volume 105, Issues 1-2, , January 2005, Pages 273-281.

Keywords : Biological control; Dispersal; Soybean; Lycosidae; Linyphiidae; Water traps

Reduction of the biogenic amine contents in low salt-fermented soybean paste by gamma irradiation/ Jae-Hyun Kim, Dong-Ho Kim, Hyun-Joo Ahn, Hyun-Jin Park, Myung-Woo Byun.

Food Control, Volume 16, Issue 1, , January 2005, Pages 43-49.

Keywords : Biogenic amines; Gamma irradiation; Soybean paste; Low salt

Ornithine decarboxylase and arginine decarboxylase gene transcripts are co-localized in developing tissues of Glycine max etiolated seedlings/ Costas Delis, Maria Dimou, Rodica Catalina Efrose, Emmanouil Fletmetakis, Georgios Aivalakis, Panagiotis Katinakis.

Plant Physiology and Biochemistry, Volume 43, Issue 1, , January 2005, Pages 19-25.

Keywords : Arginine decarboxylase; Hypocotyls; In situ hybridization; Ornithine decarboxylase; Polyamine biosynthesis; Root; Soybean

Labile carbon and methane uptake as affected by tillage intensity in a Mollisol/ P. A. Jacinthe, R. Lal,

Soil and Tillage Research, Volume 80, Issues 1-2, , January 2005, Pages 35-45.

Keywords : Reduced tillage; Labile carbon; Protected carbon; Methane oxidation; Microbial biomass

The Essential Electronic Agricultural Library (TEEAL)

Examining strategies to improve the carbon balance of corn/soybean agriculture using eddy covariance and mass balance techniques/ Baker J M Griffis T J

Agricultural and Forest Meteorology. 2005. 128 (3/4). 163-177,CD Volume448

Keywords : agriculture. atmosphere. biological-activity-in-soil. carbon. carbon-dioxide. carbon-sequestration. chisels. covariance. cover-crops. crop-residues. crop-yield. cropping-systems. discing. farming-systems. maize. oats. organic-carbon. reduced-tillage. rotations. soil-organic-matter. soyabeans. techniques. tillage

Gross primary production and ecosystem respiration of irrigated maize and irrigated soybean during a growing season /Suyker A E Verma S B Burba G G Arkebauer T J

Agricultural and Forest Meteorology. 2005. 131 (3/4). 180-190,CD Volume448

Keywords : air-temperature. canopy. ecosystems. gas-exchange. leaf-area. leaf-area-index. maize. photosynthesis. seasonal-variation. solar-radiation. soyabeans

Artificial neural networks for corn and soybean yield prediction/ Kaul M Hill R L Walthall C

Agricultural Systems. 2005. 85 (1). 1-18,CD Volume449

Keywords : climate. crop-yield. growth. maize. mathematical-models. neural-networks. plant-nutrition. prediction. rain. regression-analysis. soyabeans

Rice-soybean rotations opportunities for enhancing whole farm profits or water savings/ Popp M Manning P Counce P Keisling T

Agricultural Systems. 2005. 86 (2). 223-238,CD Volume449

Keywords : costs. crop-production. crop-yield. irrigation. irrigation-scheduling. irrigation-water. profitability. returns. rice. rotations.

Evapotranspiration and seed yield of field grown soybean under deficit irrigation conditions/ Fadi Karam Randa Masaad Sfeir T Mounzer O Roupheal Y

Agricultural Water Management. 2005. 75 (3). 226-244, CD Volume449

Keywords : biomass-production. crop-growth-stage. crop-yield. dry-matter-accumulation. evapotranspiration. irrigation. leaf-area. leaf-area-index. plant-water-relations. seeds. soybeans. water-stress. yield-components

Spider ballooning in soybean and non-crop areas of southeast Queensland/ Pearce S Zalucki M P Hassan E

Agriculture, Ecosystems, & Environment. 105(1-2). 2005. 273-281, CD Volume449

Keywords : Biological-control; Dispersal; Soybean; Lycosidae; Linyphiidae; Water-traps

Amphibians occurring in soybean and implications for biological control in Argentina/ Attademo A M Peltzer P M Lajmanovich R C

Agriculture, Ecosystems & Environment. 2005. 106 (4). 389-394, CD Volume449

Keywords : aquatic-animals. arthropod-pests. biodiversity. biological-control. biological-control-agents. hosts. pest-control. plant-pests. soybeans. species-diversity. species-richness

Soybean (*Glycine max*) response to phosphate deficiency/ Frago S Martinez Barajas E Vazquez Santana S Acosta J Coello P

Agrociencia (Montecillo) 2005. 39 (3). 303-310, CD Volume457

Keywords : acid-phosphatase. aluminium-phosphate. chemical-composition. enzyme-activity. enzymes. growth. nutrient-deficiencies. nutrient-solutions. organic-acids. phosphate. phosphorus. phytase. phytic-acid. plant-composition. soilless-culture. soybeans

Genetically modified crops and product differentiation trade and welfare effects in the soybean complex/ Sobolevsky A Moschini G Lapan H

American Journal of Agricultural Economics. 2005. 87 (3). 621-644, CD Volume450

Keywords : agricultural-policy. agricultural-trade. biotechnology. equilibrium-theory. international-trade. models. price-policy. price-support. soyabeans. substitutes. transgenic-plants. welfare-economics

Principal Paper Sessions - New Facts on the Marketing Performance of U.S. Farmers Does the Performance of Illinois Corn and Soybean Farmers Lag the Market?/ Hagedorn Lewis A Irwin Scott H Good Darrel L Colino Evelyn V
American Journal of Agricultural Economics. 87(5). 2005. 1271-1279,CD
Volume450

Soybean aphid, *Aphis glycines* Matsumura, a new vector of Potato virus Y in potato/ Davis J A Radcliffe E B Ragsdale D W
American Journal of Potato Research. 2005. 82 (3). 197-201,CD
Volume458,Print Article Pages 197-201

Keywords : disease-transmission. disease-vectors. insect-pests. plant-diseases. plant-pathogens. plant-pests. potatoes

Effects of soybean oil supplementation of high forage fattening diet on fatty acid profiles in lipid depots of fattening bull calves, and their levels of blood vitamin E/ Aharoni Y Orlov A Brosh A Granit R Kanner J
Animal Feed Science and Technology. 2005. 119 (3/4). 191-202, CD
Volume449

Keywords : bulls. calves. diets. erythrocytes. fatty-acids. finishing. forage. lipids. liveweight-gain. meat-composition. muscles. soyabean-oilmeal. supplementary-feeding. vitamin-E

Biotic elicitors as a means of increasing isoflavone concentration of soybean seeds/ Al Tawaha A M Seguin P Smith D L Beaulieu C
Annals of Applied Biology. 2005. 146 (3). 303-310, CD Volume451

Keywords : application-rates. chitosan. crop-growth-stage. cultivars. daidzein. elicitors. foliar-application. fungal-elicitors. genistein. isoflavones. oligosaccharides. seed-treatment. seeds. soyabeans. yeast-extracts

Corn-soybean and alternative cropping systems effects on NO₃-N leaching losses in subsurface drainage water/ Kanwar R S Cruse R M Ghaffarzadeh M Bakhsh A Karlen D L Bailey T B

Applied Engineering in Agriculture. 2005. 21 (2). 181-188, CD Volume 457

Keywords : **alternative-farming. crop-yield. drainage-water. environmental-impact. leaching. losses-from-soil. lucerne. maize. nitrate-nitrogen. oats. rotations. soyabeans. strip-cropping. subsurface-drainage**

Characterization of tryptic hydrolysis of alpha -lactalbumin/saponin mixture and structural change of alpha -lactalbumin interacting with soybean saponin/ Shimoyamada M Okada Y Watanabe K Yamauchi R

Archives of Biochemistry and Biophysics. 2005. 435 (2). 273-279, CD Volume 447

Keywords : **alpha-lactalbumin. buffers. chemical-structure. hydrolysis. milk. peptides. saponins. soyabeans. trypsin**

Effect of replacing soybean meal with soya waste and fish meal with ensiled shrimp waste on the performance of growing crossbred ducks/ Nguyen Thi Kim Dong Elwinger K Lindberg J E Ogle R B

Asian-Australasian Journal of Animal Sciences. 2005. 18 (6). 825-834, CD Volume 458,

Keywords : **byproducts. carcass-weight. costs. feed-conversion. feed-intake. fish-meal. liveweight-gain. metabolizable-energy. poultry. protein-intake. soyabean-oilmeal. soyabeans**

Comparative feeding values of soybean hulls and wheat bran for growing and finishing swine/ Chee K M Chun K S Huh B D Choi J H Chung M K Lee H S Shin I S Whang K Y

Asian-Australasian Journal of Animal Sciences. 2005. 18 (6). 861-867, CD Volume 458

Keywords : **backfat. calcium. chemical-composition. diet. digestibility. digestible-energy. digestion. feed-conversion-efficiency. fibre. iron. leanness. liveweight-gain. lysine. metabolizable-energy. nutritive-value. soyabean-husks. wheat-bran**

Influence of urea treatment and soybean meal (urease) addition on the utilization of wheat straw by sheep/ Kraidees M S

Asian-Australasian Journal of Animal Sciences. 2005. 18 (7). 957-965,CD Volume458

Keywords : acid-degree-value. ammonium-nitrogen. cellulose. crude-fibre. diets. digestibility. dry-matter. feed-intake. feed-supplements. hemicelluloses. hydrolysis. nitrogen. nitrogen-content. nitrogen-retention. nutritive-value. organic-matter. pH. rumen. soyabean-oilmeal. straw. urea. urease. volatile-fatty-acids. wheat. wheat-straw

Treated extruded soybean meal as a source of fat and protein for dairy cows/ Ure A L Dhiman T R Stern M D Olson K C

Asian-Australasian Journal of Animal Sciences. 2005. 18 (7). 980-989,CD Volume458

Keywords : ammonia. calcium-oxide. cows. dairy-cattle. dietary-fat. extrusion. feed-intake. lactation. lignosulfonates. milk-composition. milk-protein. milk-yield. pH. protein-sources. rumen-fermentation. soyabean-oilmeal. volatile-fatty-acids

The effects of docosahexaenoic acid oil and soybean oil on the expression of lipid metabolism related mRNA in pigs/ Liu B H Wang Y C Kuo C F Cheng W M Shen T F Ding S T

Asian-Australasian Journal of Animal Sciences. 2005. 18 (10). 1451-1456,CD Volume458,Print Article Pages 1451-1456

Keywords : adipocytes. body-fat. cholesterol. diet. dietary-fat. docosahexaenoic-acid. fatty-acids. linoleic-acid. lipid-metabolism. lipogenesis. messenger-RNA. soyabean-oil. stearic-acid. triacylglycerols

Replacing soybean meal (SBM) by canola meal (CM) the effects of multi-enzyme and phytase supplementation on the performance of growing and laying quails/ Saricicek B Z Kilic U Garipoglu A V

Asian-Australasian Journal of Animal Sciences. 2005. 18 (10). 1457-1463,CD Volume458,Print Article Pages 1457-1463

Keywords : beta-glucanase. bone-ash. cellulase. diet. dressing-percentage. egg-production. egg-shell. egg-weight. enzymes.

**feed-additives. feed-conversion-efficiency. feed-intake.
laying-performance. liveweight-gain. phytase.
polygalacturonase. poultry. rapeseed-oilmeal. soyabean-
oilmeal**

Effects of alpha-galactosidase supplementation to corn-soybean meal diets on nutrient utilization, performance, serum indices and organ weight in broilers /Wang C L Lu W Q Li D F Xing J J

Asian-Australasian Journal of Animal Sciences. 2005. 18 (12). 1761-1768,CD Volume458,Print Article Pages 1761-1768

Keywords : alpha-galactosidase. blood-chemistry. broiler-performance. broilers. digestibility. galactosidases. maize-meal. metabolizable-energy. nutrition-physiology. organs. poultry. soyabean-oilmeal

Immobilized *Pseudomonas cepacia* lipase for biodiesel fuel production from soybean oil/ Nouredini H Gao X Philkana R S

Bioresource Technology. 2005. 96 (7). 769-777,CD Volume448

Keywords : bioenergy. enzyme-activity. enzymes. ethanol. fuels. methanol. soyabean-oil. stability. temperature. triacylglycerol-lipase

Soybean milk residue ensiled with peanut hulls fermentation acids, cell wall composition, and silage utilization by mixed ruminal microorganisms/ Yang C M J

Bioresource Technology. 2005. 96 (12). 1419-1424,CD Volume448

Evaluation of insect damage and powdery mildew severity in soybean genotypes/ Lourencao A L Braga N R de Miranda M A C Reco P C Fugi C G Q Pereira J C V N A

Bragantia. 64(3). 2005. 423-433,CD Volume457

**Keywords : Glycine-max; host-plant-resistance; pentatomidae; Anticarsia-gemmatalis; Microsphaera-diffusa
Organism**

Effects of desiccation on the physiological potential and sanitary condition of seeds from soybean plants/Lacerda A L D S Lazarini E de Sa M E Filho W V
Bragantia. 64(3). 2005. 447-457,CD Volume457

Keywords : desiccants; germination; seed-sanitary-quality; vigor

Application of molybdenum and cobalt in soybean seeds/ Marcondes J A P Caires E F
Bragantia. 64(4). 2005. 687-694,CD Volume457

Keywords : Glycine-max-(L.); merrill; nodulation; symbiotic-fixation; nitrogen; mineral-nutrition

Characterization of a nonphotosynthetic NADP-malic enzyme from germinating soybean cotyledons interaction with a 94-kDa polypeptide identified as a lipoxygenase/ Ferreyra Maria Lorena Falcone Drincovich Maria Fabiana Andreo Carlos S Podesta Florencio E
Canadian Journal of Botany. 2005. 83 (5). 529-538,CD Volume451

Keywords : Enzymology- Biochemistry-and-Molecular-Biophysics; Development-; Agronomy- Agriculture- protein-protein-interaction; lipoxygenase- 63551-74-6, EC-1.13.11.12; NADP- 53-59-8; NADP-malic-enzyme 9028-47-1; L-malate 97-67-6 germination-ved

Induced volatiles in soybean and pigeon pea plants artificially infested with the neotropical brown stink bug, *Euschistus heros*, and their effect on the egg parasitoid, *Telenomus podisi*/ Moraes M C B Laumann R Sujii E R Pires C Borges M

Entomologia Experimentalis et Applicata. 2005. 115 (1). 227-237,CD Volume451

Keywords : elicitors. emission. insect-pests. natural-enemies. parasitoids. pigeon-peas. plant-pests. saliva. soyabeans. volatile-compounds

Augmentation of soil detritus affects the spider community and herbivory in a soybean agroecosystem/ Rypstra A L Marshall S D
Entomologia Experimentalis et Applicata. 2005. 116 (3). 149-157,CD Volume451

Keywords : arthropod-communities. detritivores. detritus. insect-pests. plant-pests. predators. predatory-arthropods. predatory-insects. soyabeans

Partial characterization of the proteolytic enzymes in the gut of the banana weevil, *Cosmopolites sordidus*, and effects of soybean Kunitz trypsin inhibitor on larval performance/ Montesdeoca M Lobo M G Casanas N Carnero A Castanera P Ortego F

Entomologia Experimentalis et Applicata. 2005. 116 (3). 227-236,CD Volume451

Keywords : carboxypeptidase-A. cathepsins. chymotrypsin. cytosol-aminopeptidase. enzyme-activity. enzymes. growth. insect-pests. intestines. plant-pests. survival. trypsin. trypsin-inhibitors

Catalytic properties of the bifunctional soybean beta-glucan-binding protein, a member of family 81 glycoside hydrolases/ Fliegmann J Montel E Djulic A Cottaz S Driguez H Ebel J

FEBS Letters. 2005. 579. (29.). 6647-6652,CD Volume446,81

Keywords : Calmodulin. Calmodulin-Binding Proteins. Carrier Proteins. Catalysis. Cloning, Molecular. Glucans. Glycoside Hydrolases. Hydrolysis. Lectins. Plant Proteins. Research Support, Non-U.S. Gov't. Soybeans.

Removal and recovery of antinutritional factors from soybean flour/ Shalini Bajpai Aparna Sharma Gupta M N

Food Chemistry. 2005. 89 (4). 497-501,CD Volume448

Keywords : agglutinins. chemical-composition. food-processing. lectins. soyabean-flour. trypsin-inhibitors

Relative antioxidant activity of soybean isoflavones and their glycosides/ Lee ChungHung Yang Lin Xu JinZe Yeung SaiYing [Yeung S Y V] Huang Yu Chen ZhenYu

Food Chemistry. 2005. 90 (4). 735-741,CD Volume448

Keywords : alpha-tocopherol. antioxidants. daidzein. epicatechin. genistein. glycosides. green-tea. soyabeans. tea

Fractionation of soybean functional glycosides from soy-waste based on the chemical reaction of soyasaponin beta g/ Yoshiki Y Takagi S Watanabe M Okubo K

Food Chemistry. 2005. 93 (4). 591-597, CD Volume448

Keywords : fractionation. glycosides. hydrolysis. physicochemical-properties. saponins. soyabean-products. soyabeans

Hydrolysis of oligosaccharides in soybean flour by soybean alpha - galactosidase/ Viana S de F Guimaraes V M Jose I C Almeida e Oliveira M G de Costa N M B Barros E G de Moreira M A Rezende S T de

Food Chemistry. 2005. 93 (4). 665-670, CD Volume448

Keywords : alpha-galactosidase. hydrolysis. legumes. oligosaccharides. raffinose. soyabean-flour. soyabeans. stachyose

The functional status of paraveinal mesophyll vacuoles changes in response to altered metabolic conditions in soybean leaves/ Murphy K A Kuhle R A Fischer A M Anterola A M Grimes H D

Functional Plant Biology. 2005. 32 (4). 335-344, CD Volume451

Keywords : antibodies. enzymes. leaves. lipoxygenase. mesophyll. nitrogen-metabolism. plant-proteins. shoots. soyabeans. tonoplast. vacuoles

Pericentromeric regions of soybean (*Glycine max* L. Merr.) chromosomes consist of retroelements and tandemly repeated DNA and are structurally and evolutionarily labile/ Lin JY Jacobus BH SanMiguel P Walling JG Yuan Y Shoemaker RC Young ND Jackson SA

Genetics. 2005. 170. (3.). 1221-1230, CD Volume455

Keywords : Base Sequence. Blotting, Southern. Chromosomes, Artificial, Bacterial. Chromosomes, Plant. Comparative Study. *Evolution, Molecular. Heterochromatin. In Situ Hybridization, Fluorescence. Molecular Sequence Data. Research Support, Non-U.S. Gov't. Research Support, U.S. Gov't, Non-P.H.S.. Retroelements. Sequence Analysis, DNA. Soybeans. Tandem Repeat Sequences

Evaluation of low-oligosaccharide, low-phytate whole soybeans and soybean meal in canine foods/ Yamka R M Hetzler B M Harmon D L

Journal of Animal Science. 2005. 83 (2). 393-399, CD Volume456

Keywords : chemical-composition. digestibility. dog-foods. histidine. nutrient-availability. nutritive-value. oligosaccharides. phytic-acid. protein-sources. soyabean-oilmeal. tryptophan

Calcium, phosphorus, and amino acid digestibility in low-phytate corn, normal corn, and soybean meal by growing pigs/ Bohlke R A Thaler R C Stein H H

Journal of Animal Science. 2005. 83 (10). 2396-2403, CD Volume456

Keywords : amino-acids. calcium. digestibility. maize. maize-meal. phosphorus.

Isoleucine requirement of 80- to 120-kilogram barrows fed corn-soybean meal or corn-blood cell diets/ Dean D W Southern L L Kerr B J Bidner T D

Journal of Animal Science. 2005. 83 (11). 2543-2553, CD Volume456

Keywords : animal-fat. backfat. blood-meal. diet. feed-intake. growth. isoleucine. leucine. liveweight-gain. maize. nutrient-requirements. protein-deficiencies. protein-supplements. soyabeans. valine

Structural stability of soybean lipoxygenase-1 in solution as probed by small angle X-ray scattering/ Dainese E Sabatucci A van Zadelhoff G Angelucci CB Vachette P Veldink GA Agro AF Maccarrone M

Journal of Molecular Biology. 2005. 349. (1.). 143-152, CD Volume445

Keywords : 5,8,11,14-Eicosatetraynoic Acid. Computer Simulation. Enzyme Stability. Glycerol. Lipoxygenase. Models, Molecular. Protein Structure, Tertiary. Research Support, Non-U.S. Gov't. Soybeans. X-Ray Diffraction

The effect of resistant soybean on male and female development and adult sex ratios of *Heterodera glycines*/ Colgrove A L Niblack T L

Journal of Nematology. 2005. 37 (2). 161-167, CD Volume457

Keywords : biological-development; inbred-lines; infestation-; nematode-juveniles; pest-resistance; plant-parasitic-nematodes; plant-pests; roots-; sex-determination; sex-ratio; soyabeans-; survival- Glycine-Fabaceae; Fabaceae-; Fabales-; dicotyledons-; angiosperms-; Spermatophyta-;

plants-; Heterodera-; Heteroderidae-; Nematoda-; invertebrates-; animals- Field-Crops; Plant-Pests; Host-Resistance-and-Immunity; Reproduction-Development-and-Life-Cycle-Wild-Animals

An innovative method for counting females of soybean cyst nematode with fluorescence imaging technology/ Lu H Tallman J Hu X Anderson E Chamberlin M Lu G

Journal of Nematology. 37(4). 2005. 495-499, CD Volume457

Keywords : female-counting; fluorescence-image; Heterodera-glycines; imaging-technology; soybean; soybean-cyst-nematode

Direct and residual effect of phosphate rocks in presence of phosphate solubilizers and FYM on the available P, organic carbon and viable counts of phosphate solubilizers in soil after soybean, mustard and wheat crops/ Qureshi A A Narayanasamy G Chhonkar P K Balasundaram V R

Journal of the Indian Society of Soil Science. 2005. 53 (1). 97-100, CD Volume458

Keywords : bacterial-count. chemical-composition. effects. farmyard-manure. fertilizers. mustard. nutrient-availability. organic-carbon. phosphorus. pot-experimentation. residual-effects. rhizosphere. rock-phosphate. seed-inoculation. seed-treatment. soil-amendments. soil-analysis. soil-composition. soyabeans. triple-superphosphate. wheat

Assessment of microbial biomass under integrated nutrient management in soybean-winter maize cropping sequence/ Saini V K Bhandari S C Sharma S K Tarafdar J C

Journal of the Indian Society of Soil Science. 53(3). 2005. 346-351, CD Volume458

Keywords : lication-rates; carbon-; carbon-nitrogen-ratio; clay-loam-soils; endomycorrhizas-; farmyard-manure; inoculum-; maize-; microbial-flora; mycorrhizal-fungi; mycorrhizas-; nitrogen-; nitrogen-fertilizers; nitrogen-fixation; nitrogen-fixing-bacteria; nutrients-; phosphorus-; phosphorus-fertilizers; soil-types; soyabeans-; vesicular-arbuscular-mycorrhizas

Influence of catenary soils on water use efficiency and yield of rainfed soybean in Vidarbha region/ Mandal D K Shekinah D E Tiwary P Challa O
Journal of the Indian Society of Soil Science. 2005. 53 (4). 566-570,CD Volume458,Print Article Pages 566-570

Keywords : aeration-; calcium-; catenas-; crop-yield; drainage-; growth-; Inceptisols-; magnesium-; plains-; plant-water-relations; rain-; soil-types; soyabeans-; valleys-; Vertisols-; water-availability; water-use-efficiency Glycine-Fabaceae; Fabaceae-; Fabales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India- Field-Crops; Plant-Water-Relations; Plant-Production; Soil-Physics

Survival of soybean rhizobia in summer and proliferation during monsoon in Vertisols of Central India/ Raverkar K P Ajay Gupta S B Rao D L N
Journal of the Indian Society of Soil Science. 2005. 53 (4). 591-597,CD Volume458,Print Article Pages 591-597

Keywords : biological-activity-in-soil; desiccation-; enzyme-activity; Inceptisols-; mung-beans; nitrogen-fixation; oxidoreductases-; population-decrease; soil-bacteria; soil-enzymes; soil-fungi; soil-organic-matter; soil-temperature; soil-types; soil-water; soyabeans-; summer-; survival-; Vertisols- Glycine-Fabaceae; Fabaceae-; Fabales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; Vigna-; India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Firmicutes-; bacteria-; prokaryotes- Field-Crops; Soil-Biology; Soil-Physics; Fertilizers-and-other-Amendments;

Chemical and nutritional properties of soybean carbohydrates as related to nonruminants a review/ Karr Lilienthal L K Kadzere C T Grieshop C M Fahey G C Jr
Livestock Production Science. 2005. 97 (1). 1-12,CD Volume445

Keywords : carbohydrates. chemical-composition. nutritive-value. poultry. reviews. soyabean-oilmeal. soyabeans

Concentrations of oxysterols in meat and meat products from pigs fed diets differing in the type of fat (palm oil or soybean oil) and vitamin E concentrations/ Eder K Muller G Kluge H Hirche F Brandsch C
Meat Science. 2005. 70 (1). 15-23,CD Volume449

Proteomic analysis of soybean root hairs after infection by *Bradyrhizobium japonicum*/ Wan J R Torres M Ganapathy A Thelen J DaGue B B Mooney B Xu D Stacey G
Molecular Plant-Microbe Interactions. 2005. 18 (5). 458-467,CD Volume456

Keywords : chitinase. genomes. hydrolases. nodulation. nucleotide-sequences. peroxidase. phenylalanine-ammonia-lyase. phosphoenolpyruvate-carboxylase. phosphoglucomutase. plant-proteins. root-hairs. roots. soyabeans. symbionts

Selection of *Heterodera glycines* chorismate mutase-1 alleles on nematode-resistant soybean/ Lambert K N Bekal S Domier L L Niblack T L Noel G R Smyth C A
Molecular Plant-Microbe Interactions. 2005. 18 (6). 593-601,CD Volume456

Keywords : alleles. cultivars. gene-expression. genes. genomes. pest-resistance. plant-parasitic-nematodes. plant-pests. segregation. soyabeans

An endopolygalacturonase from *Sclerotinia sclerotiorum* induces calcium-mediated signaling and programmed cell death in soybean cells/ Zuppini A Navazio L Sella L Castiglioni C Favaron F Mariani P
Molecular Plant-Microbe Interactions. 2005. 18 (8). 849-855,CD Volume456,preventing PG signaling are discussed

Keywords : apoptosis. calcium-ions. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. polygalacturonase. signal-transduction. soyabeans

An iron uptake operon required for proper nodule development in the *Bradyrhizobium japonicum*-soybean symbiosis/ Benson H P Boncompagni E Guerinot M L

Molecular Plant-Microbe Interactions. 2005. 18 (9). 950-959,CD
Volume456

Keywords : iron. mutants. mutations. nitrogen-fixation. nitrogen-fixing-bacteria. nodulation. nodules. nutrient-uptake. operons. proteins. rhizosphere-bacteria. siderophores. soyabeans. symbiosis

Cation fluxes cause plasma membrane depolarization involved in beta -glucan elicitor-signaling in soybean roots/ Mithofer A Ebel J Felle H H

Molecular Plant-Microbe Interactions. 2005. 18 (9). 983-990,CD
Volume456

Keywords : anions. antagonists. beta-glucan. calcium-ions. cations. fungal-elicitors. hydrogen-ions. membrane-potential. plant-pathogenic-fungi. plant-pathogens. plasma-membranes. polymerization. potassium. root-hairs. roots. signal-transduction. soyabeans

Two classes of highly similar coiled coil-nucleotide binding-leucine rich repeat genes isolated from the Rps1-k locus encode Phytophthora resistance in soybean/ Gao H Y Narayanan N N Ellison L Bhattacharyya M K

Molecular Plant-Microbe Interactions. 2005. 18 (10). 1035-1045,CD
Volume456

Keywords : fungal-diseases. gene-expression. genes. genetic-engineering. genetic-transformation. open-reading-frames. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. transgenic-plants

Expression profiling soybean response to *Pseudomonas syringae* reveals new defense-related genes and rapid HR-specific downregulation of photosynthesis/ Zou J J Rodriguez Zas S Aldea M Li M Zhu J Gonzalez D O Vodkin L O DeLucia E Clough S J

Molecular Plant-Microbe Interactions. 2005. 18 (11). 1161-1174,CD
Volume456

GmCOI1, a soybean F-box protein gene, shows ability to mediate jasmonate-regulated plant defense and fertility in *Arabidopsis*/ Wang ZhiLong Dai

LiangYing Jiang Zide Peng Wen Zhang LianHui Wang GuoLiang Xie DaoXin

Molecular Plant-Microbe Interactions. 2005. 18 (12). 1285-1295,CD Volume456

Keywords : gene-expression. genes. genetic-engineering. genetic-transformation. jasmonic-acid. mutants. mutations. soyabeans. transgenic-plants
IdentifiersCapparales

Purification and characterisation of a family of glutathione transferases with roles in herbicide detoxification in soybean (*Glycine max* L.); selective enhancement by herbicides and herbicide safeners/ Andrews C J Cummins I Skipsey M Grundy N M Jepson I Townson J Edwards R

Pesticide Biochemistry and Physiology. 2005. 82 (3). 205-219,CD Volume449

Keywords : acetochlor. acifluorfen. dichlormid. enzyme-activity. enzymes. fomesafen. glutathione-transferase. herbicide-residues. herbicide-safeners. herbicides. metabolic-detoxification. naphthalic-anhydride. polypeptides. soyabeans. thiols

Spatial and temporal expression analysis of defense-related genes in soybean cultivars with different levels of partial resistance to *Phytophthora sojae*/ Vega Sanchez M E Redinbaugh M G Costanzo S Dorrance A E

PMPP Physiological and Molecular Plant Pathology. 2005. 66 (5). 175-182,CD Volume449

Keywords : cultivars. disease-resistance. enzymes. fungal-diseases. gene-expression. genes. metalloproteinases. peroxidases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. roots. soyabeans. varietal-resistance

Corrigendum to "High-throughput peptide mass fingerprinting of soybean seed proteins automated workflow and utility of UniGene expressed sequence tag databases for protein identification" [*Phytochemistry* 65 (2004) 1733-1744]/ Mooney B Thelen J J

Phytochemistry. 66(3). 2005. 383-383,CD Volume448

Analysis of polyamine metabolism in soybean seedlings using ¹⁵N-labelled putrescine/ Ohe M Kobayashi M Niitsu M Bagni N Matsuzaki S

Phytochemistry. 2005. 66 (5). 523-528, CD Volume448

Keywords : **metabolism. polyamines. putrescine. roots. seed-germination. seedlings. shoots. soyabeans. spermine. translocation**

Organism KeywordsGlycine-(Fabaceae). Glycine-max

Vegetative compatibility groups in *Cercospora kikuchii*, the causal agent of Cercospora leaf blight and purple seed stain in soybean/ Cai G Schneider R W

Phytopathology. 2005. 95 (3). 257-261, CD Volume456

Keywords : **compatibility. cultivars. fungal-diseases. leaves. mutants. mutations. nitrogen. pathogenicity. plant-diseases. plant-pathogenic-fungi. plant-pathogens. population-structure. seeds. self-incompatibility. soyabeans**

Distribution and biocontrol potential of pH1D+ pseudomonads in corn and soybean fields/ McSpadden Gardener B B Gutierrez L J Joshi R Edema R Lutton E

Phytopathology. 2005. 95 (6). 715-724, CD Volume456

Keywords : **biological-control. biological-control-agents. crop-yield. genotypes. growth. maize. phenotypes. phylogenetics. plant-pathogenic-bacteria. plant-pathogens. population-distribution. rhizosphere. soyabeans**

Geographic LocatorOhio. USA

Simulation of apparent infection rate to predict severity of soybean rust using a fuzzy logic system/ Kim K S Wang T C Yang X B

Phytopathology. 2005. 95 (10). 1122-1131, CD Volume456

Keywords : **disease-models. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. population-dynamics. simulation-models. soyabeans**

IdentifiersMelampsoraceae. Teliomycetes

Incidence of soybean dwarf virus and identification of potential vectors in Illinois/ Harrison B Steinlage T A Domier L L D'Arcy C J

Plant Disease. 2005. 89 (1). 28-32, CD Volume456

Keywords : disease-transmission. disease-vectors. insect-pests. plant-diseases. plant-pathogens. plant-pests. soyabeans. strains

Greenhouse evaluation of binucleate Rhizoctonia for control of R. solani in soybean/ Khan F U Nelson B D Helms T C

Plant Disease. 2005. 89 (4). 373-379, CD Volume456

Keywords : biological-control-agents. cultivars. emergence. fungal-diseases. hypocotyls. pathogenicity. plant-diseases. plant-height. plant-pathogenic-fungi. plant-pathogens. roots. soyabeans. survival

Seasonal progression and agronomic impact of Tobacco streak virus on soybean in Wisconsin/ Rabedaux P F Gaska J M Kurtzweil N C Grau C R

Plant Disease. 2005. 89 (4). 391-396, CD Volume456

Keywords : infection. mortality. plant-diseases. plant-height. plant-pathogens. soyabeans. yield-losses

Soybean rust too close for comfort, held at the American Phytopathological Society annual meeting, Charlotte, USA, 12 August 2003

Plant Disease. 2005. 89 (6). 663-682, CD Volume456

Keywords : epidemics. fungal-diseases. introduced-species. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Breeding for resistance to soybean rust/Hartman G L Miles M R Frederick

Plant Disease. 2005. 89 (6). 664-666, CD Volume456

Keywords : crop-yield. disease-resistance. fungal-diseases. physiological-races. plant-breeding. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Soybean rust in Argentina/ Ivancovich A

Plant Disease. 2005. 89 (6). 667-668, CD Volume456

Keywords : fungal-diseases. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. symptoms

Epidemiology and chemical control of soybean rust in Southern Africa/Levy

Plant Disease. 2005. 89 (6). 669-674, CD Volume456

Keywords : chemical-control. fungal-diseases. fungicides. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

Epidemics of soybean rust (*Phakopsora pachyrhizi*) in Brazil and Paraguay from 2001 to 2003/ Yorinori J T Paiva W M Frederick R D Costamilan L M Bertagnolli P F Hartman G E Godoy C V Nunes Junior J
Plant Disease. 2005. 89 (6). 675-677, *CD Volume456*

Keywords : chemical-control. epidemics. fungal-diseases. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans. triazole-fungicides. yield-losses

Assessment of epidemic potential of soybean rust in the United States/ Pivonia S Yang X B Pan Z
Plant Disease. 2005. 89 (6). 678-682, *CD Volume456*

Keywords : epidemics. fungal-diseases. plant-diseases. plant-pathogenic-fungi. plant-pathogens. soyabeans

The relationship between *Aphis glycines* and Soybean mosaic virus incidence in different pest management systems/ Burrows M E L Boerboom C M Gaska J M Grau C R
Plant Disease. 2005. 89 (9). 926-934, *CD Volume456*

Keywords : chemical-control. chlorpyrifos. crop-yield. disease-transmission. disease-vectors. glyphosate. herbicides. insect-control. insecticides. lambda-cyhalothrin. pest-control. plant-pathogens. seed-quality. seeds. soyabeans

Soybean cyst nematode management reconsidered/ Niblack T L
Plant Disease. 2005. 89 (10). 1020-1026, *CD Volume456*

Keywords : crop-damage. cultivars. economic-thresholds. life-cycle. plant-parasitic-nematodes. plant-pests. rotations. soyabeans

Two convenient methods to evaluate soybean for resistance to *Sclerotinia sclerotiorum*/ Chen Y Wang D
Plant Disease. 2005. 89 (12). 1268-1272, *CD Volume456*

Keywords : disease-resistance. fungal-diseases. genotypes. methodology. mortality. mycelium. plant-diseases. plant-

**pathogenic-fungi. plant-pathogens. soyabeans. stems.
varietal-resistance**

Morphological and molecular characterization of the sudden-death syndrome pathogen of soybean in Brazil/ Arruda G M T Miller R N G Ferreira M A S V CafeFilho A C

Plant Pathology. 2005. 54 (1). 53-65,CD Volume452

Keywords : characterization. fungal-diseases. fungal-morphology. intergenic-DNA. mitochondrial-DNA. nucleotide-sequences. pathogenicity. plant-diseases. plant-pathogenic-fungi. plant-pathogens. restriction-fragment-length-polymorphism. ribosomal-DNA. soyabeans

Cultivar preference exhibited by two sympatric and genetically distinct populations of the soybean fungal pathogen *Phialophora gregata* f.sp. *sojae*/ Meng X Grau C R Chen W

Plant Pathology. 2005. 54 (2). 180-188,CD Volume452

Keywords : alleles. cultivars. fungal-diseases. genetic-markers. loci. pathotypes. plant-diseases. plant-pathogenic-fungi. plant-pathogens. ribosomal-DNA. soyabeans

Aggressiveness of *Xanthomonas axonopodis* pv. *glycines* isolates to soybean and hypersensitivity responses by other plants/ Kaewnum S Prathuangwong S Burr T J

Plant Pathology. 2005. 54 (3). 409-415,CD Volume452

Keywords : cucumbers. cultivars. light. metabolic-inhibitors. metabolism. pathogenicity. peas. pepper. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. relative-humidity. sesame. soyabeans. temperature. tobacco. tomatoes

First report of an Rsv resistance-breaking isolate of Soybean mosaic virus in Korea/ Koo J M Choi B K Ahn H J Yum H J Choi C W

Plant Pathology. 2005. 54 (4). 573,CD Volume452 ,AffiliationDepartment of Biology and Medicinal Science, Pai Chai

Keywords : disease-resistance. geographical-distribution. new-geographic-records. plant-diseases. plant-pathogens. soyabeans

Long-term tillage effects on cool-season soybean in rotation with barley, soil properties and carbon and nitrogen storage for fine sandy loams in the humid climate of Atlantic Canada/ Carter M R

Soil & Tillage Research. 2005. 81. (1). 109-120,CD Volume449

Keywords : barley. bulk-density. carbon. chemical-composition. chisel-ploughs. conservation-tillage. crop-yield. direct-sowing. mouldboards. nitrogen. nutrient-availability. organic-carbon. phosphorus. plant-composition. ploughing. Podzols. protein-content. rotations. sandy-loam-soils. seasonal-variation. soil-chemical-properties. soil-density. soil-fertility. soil-organic-matter. soil-physical-properties. soil-types. soyabeans. tillage

Mapping soybean sudden death syndrome as related to yield and soil/site properties/ Chong S K Hildebrand K K Luo Y Myers O Indorante S J Kazakevicius A Russin J

Soil & Tillage Research. 2005. 84 (1). 101-107,CD Volume449

Keywords : bulk-density. crop-yield. fungal-diseases. nutrient-availability. plant-diseases. plant-pathogenic-fungi. plant-pathogens. porosity. potassium. rooting-depth. site-factors. soil-organic-matter. soil-pH. soil-water-content. soyabeans. topography. yield-losses

Determination of the best management for soybean cropping following barley/ Iraj Amini

Soil & Tillage Research. 2005. 84 (2). 168-174,CD Volume449

Keywords : barley. crop-yield. discing. double-cropping. no-tillage. ploughing. row-spacing. soyabeans. tillage

The effect of growing soybean (*Glycine max. L.*) on N₂O emission from soil/ Yang LanFang Cai ZuCong

Soil Biology & Biochemistry. 2005. 37 (6). 1205-1209,CD Volume449

Keywords : decomposition. emission. growth. Luvisols. nitrogen-fixation. nitrous-oxide. nodules. pot-experimentation. senescence. soil-types. soyabeans

Salt thresholds for liquid manure applied to corn and soybean/ Shapiro C A
Kranz W L Wortmann C S

Transactions of the ASAE. 2005. 48 (3). 1005-1013,CD Volume456

Keywords : application-rates. crop-yield. foliar-application. growth-stages. liquid-manures. maize. Mollisols. necroses. phytotoxicity. pig-manure. salts. silt-loam-soils. soil-types. soyabeans. sprinkler-irrigation

Self-propelled prototype soybean harvester/ Mesquita C M Hanna M A Costa
N P

Transactions of the ASAE. 2005. 48 (4). 1301-1310,CD Volume456

Biocomposite hardboard from renewable biomass bonded with soybean-based
adhesive/ Ye X Julson J Kuo M Myers D

Transactions of the ASAE. 2005. 48 (4). 1629-1635,CD Volume456

Keywords : adhesion. adhesives. biomass. bond-strength. fibreboards. hardboard. mechanical-properties. modulus-of-elasticity. resistance. soyabeans. straw. thickness. urea-formaldehyde. wheat. wheat-straw

Design and development of a threshing chamber and pneumatic conveying
and cleaning units for soybean harvesting/ Fernando S D Hanna M A

Transactions of the ASAE. 2005. 48 (5). 1681-1688,CD Volume456

Keywords : cleaners. cleaning. harvesters. harvesting. pneumatic-conveyors. soyabeans. threshing. threshing-machines

Response of soybean to deficit irrigation in the semi-arid environment of
west-central Nebraska/ Payero J O Melvin S R Irmak S

Transactions of the ASAE. 48(6). 2005. 2189-2203,CD Volume456

Keywords : crop-water-productivity; deficit-irrigation; evapotranspiration; limited-irrigation; soybean; water-stress

Evaluation of the CROPGRO-soybean model for assessing climate impacts on regional soybean yields/ Irmak A Jones J W Jagtap S S

Transactions of the ASAE. 48(6). 2005. 2343-2353,CD Volume456

Keywords : biophysical-model; climate-change; combined-regression; RMSEP; yield-variability

Soybean response to plant growth regulator herbicides is affected by other postemergence herbicides/ Kelley K B Wax L M Hager A G Riechers D E

Weed Science. 2005. 53 (1). 101-112,CD Volume457

Keywords : 2,4-D. application-rates. auxins. clopyralid. crop-damage. crop-growth-stage. crop-yield. dicamba. drift. fomesafen. glyphosate. herbicide-mixtures. herbicide-resistance. herbicides. imazethapyr. nontarget-effects. nontarget-organisms. plant-growth-regulators. plant-height. pods. seeds. soyabeans. yield-losses

Influence of soybean row width and velvetleaf emergence time on velvetleaf (Abitilon theophrasti)/ Hock S M Knezevic S Z Martin A R Lindquist J L

Weed Science. 2005. 53 (2). 160-165,CD Volume457,in soyabean can be an effective part of an integrated weed management strategy

Keywords : cultural-control. dry-matter-accumulation. emergence. growth. leaf-area. leaves. row-spacing. seed-predation. soyabeans. weed-control. weeds

BIBLIOGRAFI 2006

PROQUEST

Seed and agronomic QTL in low linolenic acid, lipoxygenase-free soybean (*Glycine max* (L.) Merrill) germplasm/Yarmilla Reinprecht, Vaino W Poysa, Kangfu Yu, Istvan Rajcan, et al.

Genome. Ottawa: Dec 2006. Vol. 49, Iss. 12; p. 1510 (18 pages)

Forecasting Basis Levels in the Soybean Complex: A Comparison of Time Series Methods/Dwight R Sanders, Mark R Manfredo.

Journal of Agricultural and Applied Economics. Athens: Dec 2006. Vol. 38, Iss. 3; p. 513 (11 pages)

Supplemental Dietary Inulin Affects the Bioavailability of Iron in Corn and Soybean Meal to Young Pigs1/Koji Yasuda, Karl R Roneker, Dennis D Miller, Ross M Welch, Xin Gen Lei.

The Journal of Nutrition. Bethesda: Dec 2006. Vol. 136, Iss. 12; p. 3033 (6 p)

Turning Soybean Plants Into Ethanol or Particleboard/Don Comis.

Agricultural Research. Washington: Nov/Dec 2006. Vol. 54, Iss. 11/12; p. 9

Iron Deficiency Chlorosis in Soybean: Soybean Seeding Rate and Companion Crop Effects/Seth L Naeve.

Agronomy Journal. Madison: Nov/Dec 2006. Vol. 98, Iss. 6; p. 1575 (7 p)

Starter Nitrogen Fertilizer Impact on Soybean Yield and Quality in the Northern Great Plains/S L Osborne, W E Riedell.

Agronomy Journal. Madison: Nov/Dec 2006. Vol. 98, Iss. 6; p. 1569 (6 p)

A Mutation in a 3-Keto-Acyl-ACP Synthase II Gene is Associated with Elevated Palmitic Acid Levels in Soybean Seeds/Karthik Aghoram, Richard F Wilson, Joseph W Burton, Ralph E Dewey.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2453 (7 pages)

Evaluation of Soybean Cultivars, 'Williams' Isogenic Lines, and Other Selected Soybean Lines for Resistance to Two Soybean Mosaic Virus Strains

Evaluation of Soybean Cultivars with the Rps1k Gene for Partial Resistance or Field Tolerance to Phytophthora sojae/C R Ferro, C B Hill, M R Miles, G L Hartman.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2427 (10 pages)

Genotype-Environment Analysis of Parameters Describing Water Uptake in Natto Soybean/E R Cober, J A Frégeau-Reid, G Butler, H D Voldeng.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2415 (5 pages)

Genotypic Variation for Shoot N Concentration and Response to Water Deficits in Soybean/C Andy King, Larry C Purcell.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2396 (7 pages)

Heterosis and Inbreeding Depression in Two Soybean Single Crosses/Joseph W Burton, Cavell Brownie.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2643 (6 pages)

Irrigation and Inoculation Treatments that Increase the Severity of Soybean Sudden Death Syndrome in the Field/Austeclinio L de Farias Neto, Glen L Hartman, Wayne L Pedersen, Shuxian Li, et al.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2547 (8 pages)

Registration of High Yielding and Multiple Disease-Resistant Soybean Germplasm JTN-5503/P R Arelli, L D Young, A Mengistu.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2723 (2 pages)

Registration of 'NC-Raleigh' Soybean/J W Burton, T E Carter Jr, M O Fountain, D T Bowman.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2710 (2 pages)

Registration of 'Nitasoy' Soybean/J W Burton, D W Israel, P E Bishop.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2709 (2 pages)

Registration of 'Ohio FG5' Soybean/S K St Martin, G R Mills, R J Fioritto, S A McIntyre, et al.

Crop Science. Madison: Nov/Dec 2006. Vol. 46, Iss. 6; p. 2709 (1 page)

Toward a Reference Sequence of the Soybean Genome: A Multiagency Effort/Scott A Jackson, Dan Rokhsar, Gary Stacey, Randy C Shoemaker, et al. *Crop Science. Madison: Nov 2006. Vol. 46; p. S55 (7 pages)*

No-Till Corn/Soybean Systems Including Winter Cover Crops: Effects on Soil Properties/M B Villamil, G A Bollero, R G Darmody, F W Simmons, D G Bullock. *Soil Science Society of America Journal. Madison: Nov/Dec 2006. Vol. 70, Iss. 6; p. 1936 (9 pages)*

Sodium Cromoglycate Inhibits Absorption of the Major Soybean Allergen, Gly m Bd 30K, in Mice and Human Intestinal Caco-2 Cells/Thanakorn Weangsripanaval, Kaeko Murota, Yoko Murakami, Masaru Kominami, et al. *The Journal of Nutrition. Bethesda: Nov 2006. Vol. 136, Iss. 11; p. 2874 (7 p)*

Genotypic characteristics of the *rrn* operon and genome of indigenous soybean Bradyrhizobia in cropping zones of China/Jiang Ke Yang, Wei Tao Zhang, Tian Ying Yuan, Jun Chu Zhou. *Canadian Journal of Microbiology. Ottawa: Oct 2006. Vol. 52, Iss. 10; p. 968 (9 pages)*

Mineral Nutrient uptake and removal by cowpea, soybean and maize cultivars in west Africa, and implications for carbon cycle effects on soil acidification/J Randall, R C Abaidoo, P J Hocking, N Sanginga. *Experimental Agriculture. Cambridge: Oct 2006. Vol. 42, Iss. 4; p. 475 (20 p)*

Milk Production and Composition from Cows Fed Small Amounts of Fish Oil with Extruded Soybeans/L A Whitlock, D J Schingoethe, A A AbuGhazaleh, A R Hippen, K F Kalscheur. *J. of Dairy Science. Champaign: Oct 2006. Vol. 89, Iss. 10; p. 3972 (9 p)*

Irrigated Corn and Soybean Response to Nitrogen under No-Till in Northern Colorado/Ardell D Halvorson, Curtis A Reule. *Agronomy Journal. Madison: Sep/Oct 2006. Vol. 98, Iss. 5; p. 1367 (8 pages)*

International Trade, Biofuel Initiatives Reshaping the Soybean Sector/Mark Ash, Erik Dohlman.

Amber Waves. Washington: Sep 2006. Vol. 4, Iss. 4; p. 8 (1 page)

Dehydrin-Like Proteins in Soybean Seeds in Response to Drought Stress during Seed Filling/N H Samarah, R E Mullen, S R Cianzio, P Scott.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2141 (10 pages)

Differential Responses of the Cultivated and Wild Species of Soybean to Dehydration Stress/Yanyun Chen, Pengyin Chen, Benildo G de los Reyes.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2041 (6 pages)

Effect of Cover Crops Alfalfa, Red Clover, and Perennial Ryegrass on Soybean Cyst Nematode Population and Soybean and Corn Yields in Minnesota/Senyu Chen, Donald L Wyse, Gregg A Johnson, Paul M Porter.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 1890 (8 pages)

Genotype and Environment Effects on Adhesive Shear Strength in Soybean-Based Adhesives/Maria E Stoll, William T Schapaugh Jr, M Silvina Zutara, Jie Hu, X Susan Sun.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2008 (5 pages)

Molecular Genetic Resources for Development of 1% Linolenic Acid Soybeans/Kristin Bilyeu, Lavanya Palavalli, David A Sleper, Paul Beuselinck.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 1913 (6 pages)

Registration of Soybean Germplasm Lines TN03-350 and TN04-5321 with Improved Protein Concentration and Quality/D R Panthee, V R Pantalone.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2328 (2 pages)

Registration of D99-2065 Soybean Germplasm Resistant to Phytophthora Rot and Soybean Cyst Nematode Races 3 and 14/A Mengistu, T C Kilen, P A Donald.

Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2325 (2 pages)

Registration of Soybean Germplasm Line DT97-4290 with Moderate Resistance to Charcoal Rot/R L Paris, A Mengistu, J M Tyler, J R Smith.
Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2324 (2 pages)

Soybean Maturity Groups, Environments, and Their Interaction Define Mega-environments for Seed Composition in Argentina/Julio L Dardanelli, Mónica Balzarini, Maria José Martínez, Martha Cuniberti, et al.
Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 1939 (9 pages)

Stability of Fatty Acid Profile in Soybean Genotypes with Modified Seed Oil Composition/M L Oliva, J G Shannon, D A Sleper, M R Ellersieck, et al.
Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2069 (7 pages)

Using Independent Culling to Screen Plant Introductions for Combined Resistance to Soybean Cyst Nematode and Sudden Death Syndrome/J R Gelin, P R Arelli, G A Rojas-Cifuentes.
Crop Science. Madison: Sep/Oct 2006. Vol. 46, Iss. 5; p. 2081 (3 pages)

Effect of refined soy oil or whole soybeans on intake, methane output, and performance of young bulls/E Jordan, D Kenny, M Hawkins, R Malone, et al.
Journal of Animal Science. Savoy: Sep 2006. Vol. 84, Iss. 9; p. 2418 (8 pages)

The Effects of Elevated CO₂ Concentration on Soybean Gene Expression. An Analysis of Growing and Mature Leaves1[W][OA]/Elizabeth A Ainsworth, Alistair Rogers, Lila O Vodkin, Achim Walter, Ulrich Schurr.
Plant Physiology. Rockville: Sep 2006. Vol. 142, Iss. 1; p. 135 (13 pages)

Carbon and Nitrogen Storage are Greater under Biennial Tillage in a Minnesota Corn-Soybean Rotation/Rodney T Venterea, John M Baker, Michael S Dolan, Kurt A Spokas.
Soil Science Society of America Journal. Madison: Sep/Oct 2006. Vol. 70, Iss. 5; p. 1752 (11 pages)

Molecular marker diversity of SCN-resistant sources in soybean/Yiwu Chen, Dechun Wang, Prakash Arelli, Mohsen Ebrahimi, Randall L Nelson.
Genome. Ottawa: Aug 2006. Vol. 49, Iss. 8; p. 938 (12 pages)

Actual Media Reports on GM Foods and Chinese Consumers' Willingness to Pay for GM Soybean Oil/Wuyang Hu, Funing Zhong, Yulian Ding.
Journal of Agricultural and Resource Economics. Logan: Aug 2006. Vol. 31, Iss. 2; p. 376 (15 pages)

Evaluation of Models to Describe Ruminant Degradation Kinetics from In Situ Ruminant Incubation of Whole Soybeans/M H Fathi Nasri, M Danesh Mesgaran, J France, J P Cant, E Kebreab.
Journal of Dairy Science. Champaign: Aug 2006. Vol. 89, Iss. 8; p. 3087 (9 p)

Levels of [beta]-Mannan in Soybean Meal/H-Y Hsiao, D M Anderson, N M Dale.
Poultry Science. Savoy: Aug 2006. Vol. 85, Iss. 8; p. 1430 (3 pages)

Evaluating Various Water Stress Calculations in RZWQM and RZ-SHAW for Corn and Soybean Production/Joseph A Kozak, Liwang Ma, Lajpat R Ahuja, Gerald Flerchinger, David C Nielsen.
Agronomy Journal. Madison: Jul/Aug 2006. Vol. 98, Iss. 4; p. 1146 (10 p)

Interspecific Interaction and Nutrient Use in Soybean/Sorghum Intercropping System/P K Ghosh, M C Manna, K K Bandyopadhyay, A K Tripathi, et al.
Agronomy Journal. Madison: Jul/Aug 2006. Vol. 98, Iss. 4; p. 1097 (12 p)

Residual Effects of Composted and Fresh Solid Swine (*Sus scrofa* L.) Manure on Soybean [*Glycine max* (L.) Merr.] Growth and Yield/Gina M McAndrews, Matt Liebman, Cynthia A Cambardella, Tom L Richard.
Agronomy Journal. Madison: Jul/Aug 2006. Vol. 98, Iss. 4; p. 873 (10 pages)

Tillage and Crop Rotation Impact on Soybean Grain Yield and Composition/Ryan J Temperly, Rogerio Borges.
Agronomy Journal. Madison: Jul/Aug 2006. Vol. 98, Iss. 4; p. 999 (6 pages)

A Single Dominant Gene for Resistance to the Soybean Aphid in the Soybean Cultivar Dowling/Curtis B Hill, Yan Li, Glen L Hartman.
Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1601 (5 pages)

Inheritance of Resistance to Purple Seed Stain Caused by *Cercospora kikuchii* in PI 80837 Soybean/Eric W Jackson, Patrick Fenn, Pengyin Chen.

Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1462 (5 pages)

Registration of Soybean Germplasm Lines LG97-7012, LG98-1445, and LG98-1605/R L Nelson, E O C Johnson.

Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1822 (3 pages)

Registration of 'Moon Cake' Vegetable Soybean/T E Devine, J E McMurtrey, T Mebrahtu, T S Abney, et al.

Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1810 (2 pages)

Registration of 'HS0-3243' Soybean/S K St Martin, M K Feller, R J Fioritto, S A McIntyre, et al.

Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1811 (1 page)

Soybean Aphid Resistance in Soybean Jackson Is Controlled by a Single Dominant Gene/Curtis B Hill, Yan Li, Glen L Hartman.

Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1606 (3 pages)

SSR Markers Exhibit Trisomic Segregation Distortion in Soybean J J Zou, R J Singh, J Lee, S J Xu, T Hymowitz. *Crop Science. Madison: Jul/Aug 2006. Vol. 46, Iss. 4; p. 1456 (6 pages)*

Effect of dietary inclusion of distillers dried grains with solubles, soybean hulls, or a polyclonal antibody product on the ability of growing pigs to resist a *Lawsonia intracellularis* challenge¹/M H Whitney, G C Shurson, R C Guedes.

Journal of Animal Science. Savoy: Jul 2006. Vol. 84, Iss. 7; p. 1880 (10 p)

Evaluation of the order of limitation of lysine, threonine, and valine, as determined by plasma urea nitrogen, in corn-soybean meal diets of lactating sows with high body weight loss^{1,2,3}/K T Soltwedel, R A Easter, J E Pettigrew.

Journal of Animal Science. Savoy: Jul 2006. Vol. 84, Iss. 7; p. 1734 (8 pages)

Total and water-soluble phosphorus excretion from swine fed low-phytate soybeans^{1,2}/W J Powers, E R Fritz, W Fehr, R Angel.

Journal of Animal Science. Savoy: Jul 2006. Vol. 84, Iss. 7; p. 1907 (9 pages)

Effect of Soybean Oil Supplementation to Low Metabolizable Energy Diets on Production Parameters of Broiler Chickens/G W Barbour, M T Farran, N N Usayran, A H Darwish, et al.

Journal of Applied Poultry Research. Savoy: Summer 2006. Vol. 15, Iss. 2; p. 190 (8 pages)

Evaluation of Phytase Enzyme with Chicks Fed Basal Diets Containing Different Soybean Meal Samples/M K Manangi, C N Coon.

Journal of Applied Poultry Research. Savoy: Summer 2006. Vol. 15, Iss. 2; p. 292 (15 pages)

Free-Air Carbon Dioxide Enrichment of Soybean: Influence of Crop Variety on Residue Decomposition/S A Prior, H A Torbert, G B Runion, H H Rogers.

Journal of Environmental Quality. Madison: Jul/Aug 2006. Vol. 35, Iss. 4; p. 1470 (8 pages)

Nitrous Oxide Emissions from Corn-Soybean Systems in the Midwest Timothy B Parkin, Thomas C Kaspar. *Journal of Environmental Quality.*

Madison: Jul/Aug 2006. Vol. 35, Iss. 4; p. 1496 (11 pages)

Chemical analysis and sensory evaluation of Ogi enriched with soybeans and crayfish/Folake Olukemi Samuel, Bolanle Omolara Otegbayo.

Nutrition and Food Science. Bradford: 2006. Vol. 36, Iss. 4; p. 214

Impact of Tillage and Residue Burning on Carbon Dioxide Flux in a Wheat-Soybean Production System/Kristofor R Brye, David E Longer, Edward E Gbur.

Soil Science Society of America Journal. Madison: Jul/Aug 2006. Vol. 70, Iss. 4; p. 1145 (10 pages)

Chemical and physical characteristics of five Nigerian varieties of fresh green immature soybean (*Glycine max* (L.) Merrill)/Veronica Obatolu, Sidi M. Osho.

British Food Journal. Bradford: 2006. Vol. 108, Iss. 6; p. 440

Evaluation of the inclusion of soybean oil and soybean processing by-products to soybean meal on nutrient composition and digestibility in swine and poultry/K J Bruce, L K Karr-Lilienthal, K E Zinn, L L Pope, et al.

Journal of Animal Science. Savoy: Jun 2006. Vol. 84, Iss. 6; p. 1403 (12 p)

Selecting soybean meal characteristics preferred for swine nutrition/T A T G van Kempen, E van Heugten, A J Moeser, N S Muley, V J H Sewalt.

Journal of Animal Science. Savoy: Jun 2006. Vol. 84, Iss. 6; p. 1387 (9 pages)

Phosphorus and Aluminum Interactions in Soybean in Relation to Aluminum Tolerance. Exudation of Specific Organic Acids from Different Regions of the Intact Root System[W]/Hong Liao, Huiyan Wan, Jon Shaff, Xiurong Wang, et al.

Plant Physiology. Rockville: Jun 2006. Vol. 141, Iss. 2; p. 674 (11 pages)

Crop Rotation Effects on Soil Quality at Three Northern Corn/Soybean Belt Locations/Douglas L Karlen, Eric G Hurley, Susan S Andrews, Cynthia A Cambardella, et al.

Agronomy Journal. Madison: May/Jun 2006. Vol. 98, Iss. 3; p. 484 (12 p)

Genotype × Environment Interactions within Iron Deficiency Chlorosis-Tolerant Soybean Genotypes/Seth L Naeve, George W Rehm.

Agronomy Journal. Madison: May/Jun 2006. Vol. 98, Iss. 3; p. 808 (7 pages)

Rotation Crop Evaluation for Management of the Soybean Cyst Nematode in Minnesota/D R Miller, S Y Chen, P M Porter, G A Johnson, et al.

Agronomy Journal. Madison: May/Jun 2006. Vol. 98, Iss. 3; p. 569 (10 p)

Soybean Response to Zone Tillage, Twin-Row Planting, and Row Spacing Ken J Janovicek, William Deen, Tony J Vyn.

Agronomy Journal. Madison: May/Jun 2006. Vol. 98, Iss. 3; p. 800 (8 pages)

Tillage and Nitrogen Source and Rate Effects on Corn Response in Corn-Soybean Rotation/David Kwaw-Mensah, Mahdi Al-Kaisi.

Agronomy Journal. Madison: May/Jun 2006. Vol. 98, Iss. 3; p. 507 (7 pages)

Elevated Atmospheric Carbon Dioxide and Weed Populations in Glyphosate Treated Soybean/Lewis H Ziska, Ernie W Goins.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1354 (6 pages)

Fine Mapping of a Major Insect Resistance QTL in Soybean and its Interaction with Minor Resistance QTLs/S Zhu, D R Walker, H R Boerma, J N All, W A Parrott.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1094 (6 pages)

Genetic Diversity of Chinese Cultivated Soybean Revealed by SSR Markers/Lixia Wang, Rongxia Guan, Liu Zhangxiong, Ruzhen Chang, Lijuan Qiu.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1032 (7 pages)

Interrelationships among Agronomic and Seed Quality Traits in an Interspecific Soybean Recombinant Inbred Population/Mine S Cicek, Pengyin Chen, M A Saghai Maroof, Glenn R Buss.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1253 (7 pages)

Registration of AxN-1-55 Soybean Germplasm with Partial Resistance to Sclerotinia Stem Rot/B W Diers, F J Kopisch-Obuch, D D Hoffman, G L Hartman, et al.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1403 (2 pages)

Registration of LG96-1797 Soybean Germplasm/R L Nelson, E O C Johnson.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1403 (1 page)

Registration of 'LD00-3309' Soybean/B W Diers, T R Cary, D J Thomas, C D Nickell.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1384 (1 page)

Tocopherol Content and Agronomic Performance of Soybean Lines with Reduced Palmitate/Curtis W Scherder, Walter R Fehr, Grace A Welke, Tong Wang.

Crop Science. Madison: May/Jun 2006. Vol. 46, Iss. 3; p. 1286 (5 pages)

Amino acid digestibility in dry extruded-expelled soybean meal fed to pigs and poultry1/F O Opapeju, A Golian, C M Nyachoti, L D Campbell.

Journal of Animal Science. Savoy: May 2006. Vol. 84, Iss. 5; p. 1130 (8 p)

Effect of Amount and Ruminant Degradability of Soybean Meal Protein on Performance of Lactating Dairy Cows1/J J Olmos Colmenero, G A Broderick.

J. of Dairy Science. Champaign: May 2006. Vol. 89, Iss. 5; p. 1635 (9 p)

Multiple Vacuolar Sorting Determinants Exist in Soybean 11S Globulin/Nobuyuki Maruyama, Leong Ching Mun, Miyuki Tatsuhara, Machiko Sawada, et al.

Plant Cell. Rockville: May 2006. Vol. 18, Iss. 5; p. 1253 (21 pages)

Response of Turkey Poults to Soybean Lectin Levels Typically Encountered in Commercial Diets. 2. Effect on Intestinal Development and Lymphoid Organs/Y O Fasina, H L Classen, J D Garlich, B L Black, et al.

Poultry Science. Savoy: May 2006. Vol. 85, Iss. 5; p. 870 (8 pages)

Intake of Fermented Soybeans, Natto, Is Associated with Reduced Bone Loss in Postmenopausal Women: Japanese Population-Based Osteoporosis (JPOS) Study1/Yukihiro Ikeda, Masayuki Iki, Akemi Morita, Etsuko Kajita, et al.

The Journal of Nutrition. Bethesda: May 2006. Vol. 136, Iss. 5; p. 1323 (6 p)

The Soybean Isoflavone Genistein Induces Differentiation of MG63 Human Osteosarcoma Osteoblasts1/Christopher Morris, Julian Thorpe, Luigi Ambrosio, Matteo Santin.

The Journal of Nutrition. Bethesda: May 2006. Vol. 136, Iss. 5; p. 1166 (5 p)

Simulating the U.S. Impacts of Alternative Asian Soybean Rust Treatment Regimes/Robert C Johansson, Michael J Livingston, John Westra, Kurt Guidry.

Agricultural and Resource Economics Review. Durham: Apr 2006. Vol. 35, Iss. 1; p. 116 (12 pages)

Versatile Soybeans Resist Pests AND Diseases/Prakash R Arelli.

Agricultural Research. Washington: Apr 2006. Vol. 54, Iss. 4; p. 23 (1 page)

Newly featured infection events in a supernodulating soybean mutant SS2-2 by Bradyrhizobium japonicum/Puji Lestari, Kyujung Van, Moon Young Kim, Byun-Woo Lee, Suk-Ha Lee.

Canadian Journal of Microbiology. Ottawa: Apr 2006. Vol. 52, Iss. 4; p. 328 (8 pages)

Application of comparative genomics in developing molecular markers tightly linked to the virus resistance gene Rsv4 in soybean/Tae-Young Hwang, Jung-Kyung Moon, Seok Yu, Kiwoung Yang, et al.

Genome. Ottawa: Apr 2006. Vol. 49, Iss. 4; p. 380 (9 pages)

The Effect of Levels of [alpha]-Galactosidase Enzyme on Performance of Broilers Fed Diets Based on Corn and Soybean Meal
P W Waldroup, C A Keen, F Yan, K Zhang. Journal of Applied Poultry Research. Savoy: Spring 2006. Vol. 15, Iss. 1; p. 48 (10 pages)

Estimation of True Phosphorus Digestibility and Endogenous Phosphorus Loss in Growing Chicks Fed Conventional and Low-Phytate Soybean Meals
R N Dilger, O Adeola.

Poultry Science. Savoy: Apr 2006. Vol. 85, Iss. 4; p. 661 (8 pages)

Modulation of Conjugated Linoleic Acid-Induced Loss of Chicken Egg Hatchability by Dietary Soybean Oil
E Muma, S Palander, M Näsi, A-M Pfeiffer, et al.

Poultry Science. Savoy: Apr 2006. Vol. 85, Iss. 4; p. 712 (9 pages)

Bradyrhizobium japonicum Preincubated with Methyl Jasmonate Increases Soybean Nodulation and Nitrogen Fixation/Fazli Mabood, Xiaomin Zhou, Donald Smith.

Agronomy Journal. Madison: Mar/Apr 2006. Vol. 98, Iss. 2; p. 289 (6 pages)

Early-Maturing Soybean in a Wheat-Soybean Double-Crop System: Yield and Net Returns/S Kyei-Boahen, L Zhang.

Agronomy Journal. Madison: Mar/Apr 2006. Vol. 98, Iss. 2; p. 295 (7 pages)

Effect of organic N source on bacterial growth, lipo-chitooligosaccharide production, and early soybean nodulation by Bradyrhizobium japonicum/S Supanjani, Kyung D Lee, Juan J Almaraz, Xiaomin Zhou, Donald L Smith.

Canadian Journal of Microbiology. Ottawa: Mar 2006. Vol. 52, Iss. 3; p. 227 (10 pages)

Disease- and Performance-Related Traits of Ethylene-Insensitive Soybean/Andrew F Bent, Thomas K Hoffman, J Scott Schmidt, Glen L Hartman, et al.

Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 893 (9 pages)

Field Evaluation of Green Stem Disorder in Soybean Cultivars/Curtis B Hill, Glen L Hartman, Ralph Esgar, Houston A Hobbs.

Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 879 (7 pages)

Fine Mapping of a Seed Protein QTL on Soybean Linkage Group I and Its Correlated Effects on Agronomic Traits/D M Nichols, K D Glover, S R Carlson, J E Specht, B W Diers.

Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 834 (6 pages)

Glycine soja PI 468916 SCN Resistance Loci's Associated Effects on Soybean seed Yield and Other Agronomic Traits/E A Kabelka, S R Carlson, B W Diers.

Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 622 (8 pages)

QTLs Associated with Resistance to Soybean Cyst Nematode in Soybean: Meta-Analysis of QTL Locations/B Guo, D A Sleper, P Lu, J G Shannon.

Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 595 (8 pages)

Registration of N98-4445A Mid-Oleic Soybean Germplasm Line
J W Burton, R F Wilson, G J Rebetzke, V R Pantalone. *Crop Science*.
Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 1010 (3 pages)

Registration of PA 15 Soybean Germplasm/T E Devine, J E McMurtrey III.
Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 999 (2 pages)

Registration of 'UA 4805' Soybean/P Chen, C H Sneller, J C Rupe, R D
Riggs, R T Robbins.
Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 974 (1 page)

Registration of 'Skylla' Soybean/D Wang, B W Diers, J Boyse.
Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 974 (2 pages)

Two Genes from Soybean Encoding Soluble [Delta]9 Stearoyl-ACP
Desaturases/G E Byfield, H Xue, R G Upchurch.
Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 840 (7 pages)

Variation in Early Plant Height in Wild Soybean/Yiwu Chen, Randall L
Nelson.
Crop Science. Madison: Mar/Apr 2006. Vol. 46, Iss. 2; p. 865 (5 pages)

Estimation of true phosphorus digestibility and endogenous phosphorus loss
in growing pigs fed conventional and low-phytate soybean meals¹/R N
Dilger, O Adeola.
Journal of Animal Science. Savoy: Mar 2006. Vol. 84, Iss. 3; p. 627 (8 pages)

Influence of soybean hull supplementation on rumen fermentation and
digestibility in steers consuming freshly clipped, endophyte-infected tall
fescue¹/C J Richards, R B Pugh, J C Waller.
Journal of Animal Science. Savoy: Mar 2006. Vol. 84, Iss. 3; p. 678 (8 pages)

Toxicity of a Soybean Oil Emulsion on Human Lymphocytes and
Neutrophils/Maria Fernanda Cury-Boaventura, Renata Gorjão, Thaís Martins
de Lima, Tatiane Maria Piva, et al.
JPEN, Journal of Parenteral and Enteral Nutrition. Silver Spring: Mar/Apr
2006. Vol. 30, Iss. 2; p. 115 (9 pages)

Soil Organic Nitrogen Enrichment Following Soybean in an Iowa Corn-Soybean Rotation/Dean A Martens, Dan B Jaynes, Thomas S Colvin, Thomas C Kaspar, Douglas L Karlen.

Soil Science Society of America Journal. Madison: Mar/Apr 2006. Vol. 70, Iss. 2; p. 382 (11 pages)

Effect of Substitution of Low Linolenic Acid Soybean Oil for Hydrogenated Soybean Oil on Fatty Acid Intake/Maureen A DiRienzo, James D Astwood, Barbara J Petersen, Kim M Smith.

Lipids. Champaign: Feb 2006. Vol. 41, Iss. 2; p. 149 (9 pages)

Boron Fertilization Influences on Soybean Yield and Leaf and Seed Boron Concentrations/Joni R Ross, Nathan A Slaton, Kristofor R Brye, Russell E DeLong.

Agronomy Journal. Madison: Jan/Feb 2006. Vol. 98, Iss. 1; p. 198 (8 pages)

Economic Analysis of Spatial-Temporal Patterns in Corn and Soybean Response to Nitrogen and Phosphorus/D M Lambert, J Lowenberg-DeBoer, G L Malzer.

Agronomy Journal. Madison: Jan/Feb 2006. Vol. 98, Iss. 1; p. 43 (12 pages)

Evaluating the CROPGRO-Soybean Model Ability to Simulate Photosynthesis Response to Carbon Dioxide Levels/G Alagarwamy, K J Boote, L H Allen Jr, J W Jones.

Agronomy Journal. Madison: Jan/Feb 2006. Vol. 98, Iss. 1; p. 34 (9 pages)

Different characteristics of nitrogen utilization between lupin and soybean: can lupin utilize organic nitrogen in soils?/Toshihiro Watanabe, Miwa Okamoto, Seiji Misawa, Masaru Urayama, Mitsuru Osaki.

Canadian Journal of Botany. Ottawa: Jan 2006. Vol. 84, Iss. 1; p. 20 (8 p)

A Gene-Based Model to Simulate Soybean Development and Yield Responses to Environment/C D Messina, J W Jones, K J Boote, C E Vallejos.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 456 (11 pages)

Gametic Selection by Glyphosate in Soybean Plants Hemizygous for the CP4 EPSPS Transgene/David R Walker, Alan K Walker, E Dale Wood, Magda E Bonet Talevera, et al.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 30 (6 pages)

Genetic Mapping of Loci Associated with Seed Phytic Acid Content in CX1834-1-2 Soybean/D R Walker, A M Scaboo, V R Pantalone, J R Wilcox, H R Boerma.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 390 (8 pages)

Genetic Variability for Phytic Acid Phosphorus and Inorganic Phosphorus in Seeds of Soybeans in Maturity Groups V, VI, and VII/D W Israel, P Kwanyuen, J W Burton.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 67 (5 pages)

Influence of Large Amounts of Nitrogen on Nonirrigated and Irrigated Soybean/Jeffery D Ray, Larry G Heatherly, Felix B Fritschi.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 52 (9 pages)

QTLs Associated with Resistance to Soybean Cyst Nematode in Soybean Meta-Analysis of QTL Locations-Retractation/Anonymous.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 202 (1 page)

Quantitative Trait Loci underlying Resistance to Three Soybean Cyst Nematode Populations in Soybean PI 404198A/B Guo, D A Slepser, H T Nguyen, P R Arelli, J G Shannon.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 224 (10 pages)

Registration of 'ProSoy' Soybean/T C Helms, B D Nelson, R J Goos, K C

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 470 (2 pages)

Registration of KY98-2047 and KY98-2932 Extra-Dense Pubescence Soybean Germplasm/T W Pfeiffer, D L Pilcher.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 480 (1 page)

Registration of 'Pembina' Soybean/T C Helms, B D Nelson, R J Goos.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 469 (2 pages)

Rps8 Maps to a Resistance Gene Rich Region on Soybean Molecular Linkage Group F/Stuart G Gordon, Steven K St Martin, Anne E Dorrance.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 168 (6 pages)

Soybean Cultivars Resulted from More Recombination Events Than Unselected Lines in the Same Population/T R Stefaniak, D L Hyten, V R Pantalone, A Klarer, T W Pfeiffer.

Crop Science. Madison: Jan/Feb 2006. Vol. 46, Iss. 1; p. 43 (9 pages)

Compositional traits of soybean seeds as influenced by planting date in India/Vineet Kumar, Anita Rani, Vimal Pandey, Purvi Mande, G S Chauhan.

Experimental Agriculture. Cambridge: Jan 2006. Vol. 42, Iss. 1; p. 19 (10 p)

Milk and Cheese from Cows Fed Calcium Salts of Palm and Fish Oil Alone or in Combination with Soybean Products/S L Allred, T R Dhiman, C P Brennan, R C Khanal, et al.

Journal of Dairy Science. Champaign: Jan 2006. Vol. 89, Iss. 1; p. 234 (15 p)

Inhibition of Vesicular-Arbuscular Mycorrhizae on Soybean Roots following Brassica Cover Crop/Julie Hill.

J. of Natural Resources and Life Sci Education. Madison: 2006. Vol. 35; p. 158 (3 pages)

Peroxidase Activity in Soybeans Following Inoculation with *Phytophthora sojae*/Jose C. Melgar, Thomas S. Abney, Richard A. Vierling.

Mycopathologia. Dordrecht: Jan 2006. Vol. 161, Iss. 1; p. 37

The Soybean Genome Database (SoyGD): a browser for display of duplicated, polyploid, regions and sequence tagged sites on the integrated physical and genetic maps of *Glycine max*/Jeffrey L. Shultz, Deepak Kurunam, Kay Shopinski, M. Javed Iqbal, et al.

Nucleic Acids Research. Oxford: Jan 2006. Vol. 34, Iss. S1; p. D758

Intradialytic parenteral nutrition: comparison of olive oil versus soybean oilbasedlipid emulsions/Noël J M Cano, Yannick Saingra, Anne-Marie Dupuy, Anne-Marie Lorec-Penet, et al.

The British J. of Nutrition. Cambridge: Jan 2006. Vol. 95, Iss. 1; p. 152 (8 p)

SCIENCEDIRECT

Effects of forage source and supplementation with soybean and marine algal oil on milk fatty acid composition of ewes/ C.K. Reynolds, V.L. Cannon, S.C. Loerch.

Animal Feed Science and Technology, Volume 131, Issues 3-4, , Special Issue: Modifying Milk Composition, 15 December 2006, Pages 333-357.

Keywords : Sheep; Milk fat; Fatty acids; CLA; trans-C18:1

Whey protein gel composites of soybean and linseed oils as a dietary method to modify the unsaturated fatty acid composition of milk lipids/ J.M. Heguy, S.O. Juchem, E.J. DePeters, M. Rosenberg, J.E.P. Santos, S.J. Taylor.

Animal Feed Science and Technology, Volume 131, Issues 3-4, , Special Issue: Modifying Milk Composition, 15 December 2006, Pages 370-388.

Keywords : Fatty acids; Milk fat; Unsaturated; Whey protein gel

Profit-maximizing seeding rates and replanting thresholds for soybean: Maturity group interactions in the Mid-South/ Michael P. Popp, Jeffry T. Edwards, Larry C. Purcell, Patrick M. Manning.

Agricultural Systems, Volume 91, Issue 3, , December 2006, Pages 211-228.

Keywords : Plant population density; Soybean production; Seeding rate; Replanting; Relative maturity group

Effects of elevated CO₂ on the phytoalexin production of two soybean cultivars differing in the resistance to stem canker disease/ Marcia R. Braga, Marcos P.M. Aidar, Mauro A. Marabesi, Joao R.L. de Godoy.

Environmental and Experimental Botany, Volume 58, Issues 1-3, , December 2006, Pages 85-92.

Keywords : Daidzein; Elevated CO₂; Glyceollins; Glycine max; Photosynthesis; Phytoalexins

Carboxylesterase activities toward pesticide esters in crops and weeds/ Markus Gershater, Kate Sharples, Robert Edwards.

Phytochemistry, Volume 67, Issue 23, , December 2006, Pages 2561-2567.

Keywords : Arabidopsis; Detoxification; Herbicide bioactivation; Maize (*Zea mays* L.); Pesticides; Rice (*Oryza sativa*);

**Sorghum (*Sorghum bicolor*); Soybean (*Glycine max*);
Serine hydrolases; Weeds; Xenobiotics**

Ononitol and pinitol production in transgenic soybean containing the inositol methyl transferase gene from *Mesembryanthemum crystallinum*/ Joseph M. Chiera, John G. Streeter, John J. Finer.

Plant Science, Volume 171, Issue 6, , December 2006, Pages 647-654.

Keywords : Cyclitol; Inositol methyl transferase (IMT); myo-Inositol; Ononitol; Pinitol; Soybean

Multivariate effects of plant canopy, soil physico-chemistry and microbiology on *Sclerotinia* stem rot of soybean in relation to crop rotation and urban compost amendment/ Guillaume X. Rousseau, Sylvie Rioux, Daniel Dostaler.

Soil Biology and Biochemistry, Volume 38, Issue 12, , December 2006, Pages 3325-3342.

Keywords : Sclerotinia stem rot; Soybean; Aggregates stability; C mineralization; Canonical redundancy analysis; Microbial direct counts

Partitioning the spatial and environmental variation of *Sclerotinia* stem rot on soybean/ Guillaume X. Rousseau, Sylvie Rioux, Daniel Dostaler.

Soil Biology and Biochemistry, Volume 38, Issue 12, , December 2006, Pages 3343-3358.

Keywords : Canonical redundancy analysis (partial); Cropping practices; Plant canopy; Sclerotinia sclerotiorum; Soil microbiology; Variance partitioning; Soybean

Remote sensing of crop residue cover and soil tillage intensity/ C.S.T. Daughtry, P.C. Doraiswamy, E.R. Hunt Jr., A.J. Stern, J.E. McMurtrey III, J.H. Prueger.

Soil and Tillage Research, Volume 91, Issues 1-2, , December 2006, Pages 101-108.

Keywords : Crop residue cover; Soil tillage intensity; Conservation tillage; Remote sensing; Cellulose absorption index; Hyperion; Landsat

Mulch effects on rainfall interception, soil physical characteristics and temperature under *Zea mays* L./ Hadrian F. Cook, Gerardo S.B. Valdes, Howard C. Lee

Soil and Tillage Research, Volume 91, Issues 1-2, , December 2006, Pages 227-235.

Keywords : **Canopy; Interception; Mulch; Soil physical condition; Straw; Zea mays L**

Cost efficient rotation and tillage options to sequester carbon and mitigate GHG emissions from agriculture in Eastern Canada/ Andreas Meyer-Aurich, Alfons Weersink, Ken Janovicek, Bill Deen.

Agriculture Ecosystems & Environment, Volume 117, Issues 2-3, , November 2006, Pages 119-127.

Keywords : **Carbon sequestration; Greenhouse gas emissions; Cost efficiency; Mitigation**

Vertical distribution of soil organic carbon and nitrogen under warm-season native grasses relative to croplands in west-central Indiana, USA/ Rex A. Omonode, Tony John Vyn.

Agriculture Ecosystems & Environment, Volume 117, Issues 2-3, , November 2006, Pages 159-170.

Keywords : **Carbon sequestration; Total nitrogen; Switchgrass; Tall mixed grasses; Corn; Soybean**

Bandyopadhyay, Effect of inorganic fertilizer and farmyard manure on soil physical properties, root distribution, and water-use efficiency of soybean in Vertisols of central India/ K.M. Hati, K.G. Mandal, A.K. Misra, P.K. Ghosh, K.K.

Bioresource Technology, Volume 97, Issue 16, , November 2006, Pages 2182-2188.

Keywords : **Soil physical properties; Root; Water-use efficiency; Soybean; Farmyard manure; Inorganic fertilizer; Vertisols**

Proteins induced by cadmium in soybean cells/ Robert Sobkowiak, Joanna Deckert.

Journal of Plant Physiology, Volume 163, Issue 11, , 1 November 2006, Pages 1203-1206.

Keywords : Cadmium; Chalcone synthase; Glutathione transferase; Histone H2B; Soybean; Superoxide dismutase

The Settling Problem in Calcium-Fortified Soybean Drinks/ Robert P. Heaney, Karen Rafferty.

Journal of the American Dietetic Association, Volume 106, Issue 11, , November 2006, Page 1753.

Separation and identification of soybean leaf proteins by two-dimensional gel electrophoresis and mass spectrometry/ Chenping Xu, Wesley M. Garrett, Joseph Sullivan, Thomas J. Caperna, Savithiry Natarajan.

Phytochemistry, Volume 67, Issue 22, , November 2006, Pages 2431-2440.

Keywords : Glycine max; Soybean; Proteomics; Two-dimensional gel electrophoresis; MALDI-TOF MS; LC-MS/MS

Nod factor enhances calcium uptake by soybean/ S. Supanjani, A. Habib, F. Mabood, K.D. Lee, D. Donnelly, D.L. Smith.

Plant Physiology and Biochemistry, Volume 44, Issues 11-12, , November-December 2006, Pages 866-872.

Keywords : Nod factor; Calcium uptake; Soybean; Rhizobia

Weed seed bank composition under three long-term tillage regimes on a fine sandy loam in Atlantic Canada/ M.R. Carter, J.A. Ivany.

Soil and Tillage Research, v. 90, Issues 1-2, , November 2006, Pages 29-38.

Keywords : Weed seed bank; Soybeans; Barley; Tillage; Sandy loams; Atlantic Canada

Finger millet (*Eleusine corocana* L. Gaertn.) as a cover crop on weed control, growth and yield of soybean under different tillage systems/ K.B.D.P. Samarajeewa, Takatsugu Horiuchi, Shinya Oba.

Soil and Tillage Research, v. 90, Issues 1-2, , November 2006, Pages 93-99.

Keywords : Finger millet; Soybean; Minimum tillage; No-tillage; Weed control

Use of a minimally invasive method of measuring leaf stomatal conductance to examine stomatal responses to water vapor pressure difference under field conditions/ James A. Bunce.

Agricultural and Forest Meteorology, Volume 139, Issues 3-4, , 12 October 2006, Pages 335-343.

Keywords : Stomatal conductance; Boundary layer conductance; Vapor pressure deficit

Diurnal variations in gas exchange, chlorophyll fluorescence quenching and light allocation in soybean leaves: The cause for midday depression in CO₂ assimilation/ L.F. Huang, J.H. Zheng, Y.Y. Zhang, W.H. Hu, W.H. Mao, Y.H. Zhou, J.Q. Yu.

Scientia Horticulturae, v. 110, Issue 2, , 9 October 2006, Pages 214-218.

Keywords : Glycine max L.; Photoinhibition; Photoprotection; Photorespiration; Photosynthesis; Photosystem II; Stomatal limitation

The adaptability of shortseason soybean genotypes to varying longitudinal regions/ Jegor Miladinovic, Hideki Kurosaki, Joe W. Burton, Milica Hrustic, Dragana Miladinovic.

European Journal of Agronomy, Volume 25, Issue 3, , October 2006, Pages 243-249.

Keywords : Soybean; Adaptability; Environment

Large applications of fertilizer N at planting affects seed protein and oil concentration and yield in the Early Soybean Production System/ Jeffery D. Ray, Felix B. Fritschi, Larry G. Heatherly.

Field Crops Research, Volume 99, Issue 1, , 1 October 2006, Pages 67-74.

Keywords : Soybean; ESPS; Nitrogen; Fertilizer; Protein; Oil

Extraction and detection of endogenous soybean DNA from fermented foods/ Yoshiteru Kakihara, Hiroshi Matsufuji, Makoto Chino, Mitsuharu Takeda.

Food Control, Volume 17, Issue 10, , October 2006, Pages 808-813.

Keywords : Soy sauce; Soybean; Genomic DNA extraction; Alkaline lysis; PCR

Creaming stability of oil in water (O/W) emulsions: Influence of pH on soybean protein-lecithin interaction/ D.I. Comas, J.R. Wagner, M.C. Tomas. *Food Hydrocolloids*, Volume 20, Issue 7, , October 2006, Pages 990-996.

Keywords : Protein-lecithin interaction; Soybean isolates; Phospholipids; O/W emulsion stability; Vertical scan analyzer

Emulsifying properties of enzyme-digested soybean soluble polysaccharide/ Akihiro Nakamura, Hirokazu Maeda, Milena Corredig.

Food Hydrocolloids, Volume 20, Issue 7, , October 2006, Pages 1029-1038.

Keywords : Soybean; Enzyme-treated polysaccharide; Emulsifying properties

Molecular cloning and characterization of a novel salt-inducible gene encoding an acidic isoform of PR-5 protein in soybean (*Glycine max* [L.] Merr.)/ M. Onishi, H. Tachi, T. Kojima, M. Shiraiwa, H. Takahara.

Plant Physiology and Biochemistry, Volume 44, Issue 10, , October 2006, Pages 574-580.

Keywords : Gene expression; GmTDF; Pathogenesis-related protein; Soil salinity; Soybean (*Glycine max* [L.] Merr.)

Inferring profiles of energy fluxes within a soybean canopy using Lagrangian analysis/ Guowang Qiu, Jon S. Warland.

Agricultural and Forest Meteorology, Volume 139, Issues 1-2, , 21 September 2006, Pages 119-137.

Keywords : Lagrangian model; Inverse analysis; Turbulence; Source/sink distributions; Evapotranspiration; Canopy

Heating process of soybean using hot-air and superheated-steam fluidized-bed dryers/ Somkiat Prachayawarakorn, Paveena Prachayawasin, Somchart Soponronnarit.

LWT - Food Science and Technology, Volume 39, Issue 7, , September 2006, Pages 770-778.

Keywords : Antinutritional factor; Drying; Fluidized bed; Superheated steam

Plant biomass influences rhizosphere priming effects on soil organic matter decomposition in two differently managed soils/ Feike A. Dijkstra, Weixin Cheng, Dale W. Johnson.

Soil Biology and Biochemistry, Volume 38, Issue 9, , September 2006, Pages 2519-2526.

Keywords : 13C; Nitrogen uptake; Plant biomass; Priming; Rhizosphere effects; Soil organic matter decomposition

Soil organic carbon and nitrogen in a Minnesota soil as related to tillage, residue and nitrogen management/ M.S. Dolan, C.E. Clapp, R.R. Allmaras, J.M Baker, J.A.E. Molina.

Soil and Tillage Research, v. 89, Issue 2, , September 2006, Pages 221-231.

Keywords : Carbon sequestration; Nitrogen; Tillage; Residue management

Measurement of bi-directional ammonia fluxes over soybean using the modified Bowen-ratio technique/ J.T. Walker, W.P. Robarge, Y. Wu, T.P. Meyers.

Agricultural and Forest Meteorology, Volume 138, Issues 1-4, , 29 August 2006, Pages 54-68.

Keywords : Ammonia; Dry deposition; Compensation point; Soybean; Bi-directional flux

Sampling Survey and Identification of Races of Soybean Cyst Nematode (*Heterodera glycines* Ichinohe) in Huang-Huai Valleys/ Wei-guo LU, Jun-yi GAI, Wei-dong LI.

Agricultural Sciences in China, v. 5, Issue 8, , August 2006, Pages 615-621.

Keywords : soybean (*Glycine max* (L.) Merr); Huang-Huai Valleys; cyst nematode (*Heterodera glycines* Ichinohe); race

UV-spectra dependence of seedling injury and photosynthetic pigment change in *Cucumis sativus* and *Glycine max*/ Yinan Yao, Yongqing Yang, Jian Ren, Chunyang Li.

Environmental and Experimental Botany, Volume 57, Issues 1-2, , August 2006, Pages 160-167.

Keywords : Cucumber (*Cucumis sativus*); Soybean (*Glycine max*); UV-spectra; Carotenoids; Growth; Oxidative damage

Yield gaps and nutrient balances in intensive, rice-based cropping systems on degraded soils in the Red River Delta of Vietnam/ F. Mussnug, M. Becker, T.T. Son, R.J. Buresh, P.L.G. Vlek.

Field Crops Research, Volume 98, Issues 2-3, , August-September 2006, Pages 127-140.

Keywords : **Acrisol; Glycine max; Long-term experiment; Oryza sativa; Zea mays**

Fruit development and reproductive survival in soybean: Position and age effects/ D.B. Egli, W.P. Bruening.

Field Crops Research, Volume 98, Issues 2-3, , August-September 2006, Pages 195-202.

Keywords : **Glycine max (L.) Merrill; Pod abortion; Shade; Assimilate supply**

Comparison of the Effect of Using Almond Oil (AO) Versus Soybean Oil (SO) on the Likeability of Baked Products/ M.E. Kier, J.D. Radcliffe, C.C. King, K.S. Calabro.

Journal of the American Dietetic Association, Volume 106, Issue 8, Supplement 1, , ADA FNCE Food & Nutrition Conference & Expo 2006, August 2006, Page A57.

Phosphorus Transfer and Distribution in a Soybean-Citrus Intercropping System/ Wei-Jun ZHOU, Kai-Rong WANG, Yang-Zhu ZHANG, Li-Chu YIN, He-Song LI.

Pedosphere, Volume 16, Issue 4, , August 2006, Pages 435-443.

Keywords : **agroforestry ecosystem; citrus; monoculture; 32P fate; soybean**

Lime application in the establishment of a no-till system for grain crop production in Southern Brazil/ E.F. Caires, G. Barth, F.J. Garbuio.

Soil and Tillage Research, Volume 89, Issue 1, , August 2006, Pages 3-12.

Keywords : **Soil acidity; Dolomitic lime; Surface application; Lime incorporation; Conservation tillage; Tropical soils; South America**

Plant-specific insertions in the soybean aspartic proteinases, soyAP1 and soyAP2, perform different functions of vacuolar targeting/ Kaede Terauchi, Tomiko Asakura, Haruko Ueda, Tomoko Tamura, Kentaro Tamura, Ichiro Matsumoto, Takumi Misaka, Ikuko Hara-Nishimura, Keiko Abe.

Journal of Plant Physiology, v. 163, Issue 8, , 3 July 2006, Pages 856-862.

Keywords : Aspartic proteinase; GFP; Plant-specific insertion; Soybean; Vacuolar targeting

Subsurface water quality from a flat tile-drained watershed in Illinois, USA/ P.K. Kalita, A.S. Algoazany, J.K. Mitchell, R.A.C. Cooke, M.C. Hirschi.

Agriculture, Ecosystems & Environment, Volume 115, Issues 1-4, , July 2006, Pages 183-193.

Keywords : Environment; Drainage; Nitrate-N; Atrazine; Chemical transport

Soybean weed community composition and richness between 1995 and 2003 in the Rolling Pampas (Argentina)/ E.B. de la Fuente, S.A. Suarez, C.M. Ghersa.

Agriculture, Ecosystems & Environment, Volume 115, Issues 1-4, , July 2006, Pages 229-236.

Keywords : Soybean; Weed community; Richness; Temporal changes; Transgenic cultivars

The possibilities of fuel savings and the reduction of CO₂ emissions in the soil tillage in Croatia/ Dubravko Filipovic, Silvio Kosutic, Zlatko Gospodaric, Robert Zimmer, Djuro Banaj.

Agriculture, Ecosystems & Environment, v. 115, Issues 1-4, 2006, p. 290-294.

Keywords : Soil tillage; Arable crops; Fuel consumption; CO₂ emission; Croatia

Suppression on the mutagenicity of 4-nitroquinoline-N-oxide by the methanol extracts of soybean koji prepared with various filamentous fungi/ Chia-Hung Lin, Cheng-Chun Chou.

International Journal of Food Microbiology, Volume 110, Issue 1, , 1 July 2006, Pages 19-23.

Keywords : Mutagenicity; Antimutagenicity; 4-nitroquinoline-N-oxide; Soybean koji; Toxicity

Effect of replacing soybean meal by extruded chickpeas in the diets of growing-finishing pigs on meat quality/ Vladimiros Christodoulou, John Ambrosiadis, Evangelia Sossidou, Vasileios Bampidis, John Arkoudilos, Borris Hucko, Constantin Iliadis.

Meat Science, Volume 73, Issue 3, , July 2006, Pages 529-535.

Keywords : Chickpeas; Extrusion; Pigs; Meat quality

High performance liquid chromatography method for the determination of cinnamyl alcohol dehydrogenase activity in soybean roots/ W. D. dos Santos, Maria de Lourdes Lucio Ferrarese, O. Ferrarese-Filho.

Plant Physiology and Biochemistry, Volume 44, Issues 7-9, , July-September 2006, Pages 511-515.

Keywords : Cinnamyl alcohol dehydrogenase; Coniferaldehyde; High performance liquid chromatography; Sinapaldehyde; soybean

Effect of dietary inclusion of hazelnut and soybean meals on microbial protein synthesis/ M.A. Karsli, T. Tasal, H. Nursoy.

Small Ruminant Research, v. 64, Issues 1-2, , July 2006, Pages 180-185.

Keywords : Hazelnut meal; Soybean meal; Microbial protein synthesis

Applications of reduced tillage in hills of central Nepal/ Kishor Atreya, Subodh Sharma, Roshan Man Bajracharya, Neeranjan Prasad Rajbhandari.

Soil and Tillage Research, Volume 88, Issues 1-2, , July 2006, Pages 16-29.

Keywords : Conservation tillage; Erosion; Himalayan region; Mixed cropping; Nepal

Total and mineralizable soil carbon as affected by tillage in the Argentinean Pampas/ Alejandro Costantini, Helvecio De-Polli, Carlos Galarza, Roberto Pereyra Rossiello, Romina Romaniuk,

Soil and Tillage Research, Volume 88, Issues 1-2, , July 2006, Pages 274-278.

Keywords : Tillage systems; No-tillage; Total organic carbon; Carbon stock

Evaluation of content and digestibility of disulfide bonds and free thiols in unextruded and extruded diets containing fish meal and soybean protein sources/ M.A. Aslaksen, O.H. Romarheim, T. Storebakken, A. Skrede.
Animal Feed Science and Technology, Volume 128, Issues 3-4, , 28 June 2006, Pages 320-330.

Keywords : **Disulfide bond; Free thiol; Extrusion; Digestibility; Soybean meal; White flakes; Mink**

Ranking of dark chilling tolerance in soybean genotypes probed by the chlorophyll a fluorescence transient O-J-I-P/ A.J. Strauss, G.H.J. Kruger, R.J. Strasser, P.D.R. Van Heerden.
Environmental and Experimental Botany, Volume 56, Issue 2, , June 2006, Pages 147-157.

Keywords : **Chlorophyll a fluorescence; Chilling tolerance; Chill factor index; Dark chilling; JIP-test; Soybean**

Long-term effects of spring wheat-soybean cropping systems on weed populations/ Bradford K. Ramsdale, George O. Kegode, Calvin G. Messersmith, John D. Nalewaja, Cathy A. Nord.
Field Crops Research, Volume 97, Issues 2-3, , 1 June 2006, Pages 197-208.

Keywords : **Canada thistle; Common lambsquarters; Cropping systems; Foxtail; Mulch-till; Redroot pigweed; Rye; Seed bank; Sweetclover; Wheat**

Water deficit effects on root distribution of soybean, field pea and chickpea/ J.G. Benjamin, D.C. Nielsen.
Field Crops Research, Volume 97, Issues 2-3, , 1 June 2006, Pages 248-253.

Keywords : **Chickpea; Dryland agriculture; Field pea; Root surface area; Soybean; Water deficit stress**

Evaluation of insect-mediated seed set among soybean lines segregating for male sterility at the ms6 locus/ E. Ortiz-Perez, H.T. Horner, S.J. Hanlin, R.G. Palmer.

Field Crops Research, Volume 97, Issues 2-3, , 1 June 2006, Pages 353-362.

Keywords : **Soybean; Hybrids; Male-sterile lines; Pollinators**

Conjugated fatty acids accumulate to high levels in phospholipids of metabolically engineered soybean and Arabidopsis seeds/ Edgar B. Cahoon, Charles R. Dietrich, Knut Meyer, Howard G. Damude, John M. Dyer, Anthony J. Kinney.

Phytochemistry, Volume 67, Issue 12, , June 2006, Pages 1166-1176.

Keywords : **Arabidopsis thaliana; Soybean; Glycine max; Leguminosae; Conjugated fatty acid; Calendic acid; [alpha]-Eleostearic acid; Unusual fatty acid; Phosphatidylcholine; Triacylglycerol; Oilseed engineering; Metabolic engineering; Fatty acid conjugase; FAD2**

Accumulation of specific flavonoids in soybean (*Glycine max* (L.) Merr.) as a function of the early tripartite symbiosis with arbuscular mycorrhizal fungi and *Bradyrhizobium japonicum* (Kirchner) Jordan/ Pedro M. Antunes, Amarilis de Varennes, Istvan Rajcan, Michael J. Goss.

Soil Biology and Biochemistry, v. 38, Issue 6, June 2006, Pages 1234-1242.

Keywords : **Tripartite symbiosis; Signalling; Flavonoids; Arbuscular mycorrhizal fungi; Rhizobia; Soybean; Early interaction; Legume**

Sampling effects on the assessment of genetic diversity of rhizobia associated with soybean and common bean/ Odair Alberton, Glaciela Kaschuk, Mariangela Hungria.

Soil Biology and Biochemistry, v. 38, Issue 6, , June 2006, Pages 1298-1307.

Keywords : **Bacterial genetic diversity; Bacterial typing techniques; Bradyrhizobium; Common bean; Rhizobium; Sampling techniques; Soybean**

Determining soil quality indicators by factor analysis/ M.K. Shukla, R. Lal, M. Ebinger.

Soil and Tillage Research, Volume 87, Issue 2, , June 2006, Pages 194-204.

Keywords : **Soil bulk density; Water stable aggregation; Mean weight diameter; Water infiltration; Hydraulic conductivity; Soil quality indicator; Factor analysis; Discriminant analysis**

The effect of the heat processing of soybean seed on the metabolism of its selenium in lambs/ H. Mynhardt, J.B.J. van Ryssen, R.J. Coertze.

Animal Feed Science and Technology, Volume 128, Issues 1-2, , 28 May 2006, Pages 122-134.

Keywords : Sheep; Bioavailability; Heat treatment; Organic selenium

Effects of shoot removal and soil water content on root respiration of spring wheat and soybean/ Hongsheng Liu, Fengmin Li, Yu Jia.

Environmental and Experimental Botany, Volume 56, Issue 1, , May 2006, Pages 28-35.

Keywords : Carbohydrate availability; Clipping; Gas flux; Root-derived respiration

An integrated process for obtaining oil, protease inhibitors and lectin from soybean flour/ Shalini Kansal, Aparna Sharma, Munishwar Nath Gupta.

Food Research International, Volume 39, Issue 4, , May 2006, Pages 499-502.

Keywords : Integrated processing; Protein recovery; Purification; Soybean agglutinin; Soybean flour; Soybean trypsin inhibitor; Three-phase partitioning

Synthetic lubricant basestocks from epoxidized soybean oil and Guerbet alcohols/ Hong-Sik Hwang, Sevim Z. Erhan.

Industrial Crops and Products, Volume 23, Issue 3, , May 2006, Pages 311-317.

Keywords : Epoxidized soybean oil; Guerbet alcohol; Lubricant; Oxidative stability; Pour point; Synthetic lubricant

Testing the polyploid past of soybean using a low-copy nuclear gene--Is Glycine (Fabaceae: Papilionoideae) an auto- or allopolyploid?/ Shannon C.K. Straub, Bernard E. Pfeil, Jeff J. Doyle.

Molecular Phylogenetics and Evolution, Volume 39, Issue 2, , May 2006, Pages 580-584.

Conversion from an American sycamore (*Platanus occidentalis* L.) biomass crop to a no-till corn (*Zea mays* L.) system: Crop yields and management implications/ Warren D. Devine, Donald D. Tyler, Michael D. Mullen, Allan

E. Houston, John D. Joslin, Donald G. Hodges, Virginia R. Tolbert, Marie E. Walsh.

Soil and Tillage Research, Volume 87, Issue 1, , May 2006, Pages 101-111.

Keywords : American sycamore; Corn; Bioenergy crops; Crop rotation; Fertilization; Nitrogen immobilization

Paleopolyploidy and gene duplication in soybean and other legumes/ Randy C Shoemaker, Jessica Schlueter, Jeff J Doyle.

Current Opinion in Plant Biology, Volume 9, Issue 2, , Genome studies and molecular genetics: Part 1: Model legumes / edited by Nevin D Young and Randy C Shoemaker; Part 2: Maize genomics / edited by Susan R Wessler. Plant biotechnology / edited by John Salmeron and Luis R Herrera-Estrella, April 2006, Pages 104-109.

The stabilizing behaviour of soybean soluble polysaccharide and pectin in acidified milk beverages/ Akihiro Nakamura, Ryuji Yoshida, Hirokazu Maeda, Milena Corredig.

International Dairy Journal, Volume 16, Issue 4, April 2006, Pages 361-369.

Keywords : Soybean soluble polysaccharide; Casein micelles; Stabilization; Acidified milk

Soil Respiration During a Soybean-Growing Season/ Lan-Fang YANG, Zu-Cong CAI.

Pedosphere, Volume 16, Issue 2, , April 2006, Pages 192-200.

Keywords : photosynthesis; rhizosphere; soil respiration; soybean plant; temperature effect

Characterization of an O-methyltransferase from soybean/ B.G. Kim, H.J. Lee, Y. Park, Y. Lim, J.-H. Ahn,

Plant Physiology and Biochemistry, Volume 44, Issue 4, , April 2006, Pages 236-241.

Keywords : Flavonoids; Glycine max; O-methyltransferase

Soil physical properties and soybean (*Glycine max*, Merrill) root abundance in conventionally- and zero-tilled soils in the humid Pampas of Argentina/ Federico G. Micucci, Miguel A. Taboada.

Soil and Tillage Research, Volume 86, Issue 2, , April 2006, Pages 152-162.

Keywords : **Tillage systems; Relative compaction; Macroporosity; Soil resistance; Soybean root growth; Pampean soils**

Growth, competition, yield advantage and economics in soybean/pigeonpea intercropping system in semi-arid tropics of India: I. Effect of subsoiling/ P.K. Ghosh, M. Mohanty, K.K. Bandyopadhyay, D.K. Painuli, A.K. Misra.
Field Crops Research, Volume 96, Issue 1, , 15 March 2006, Pages 80-89.

Keywords : **Cajanus cajan; Competition; Energy use efficiency; Glycine max; Intercropping; Root length density; Subsoiling**

Growth, competition, yields advantage and economics in soybean/pigeonpea intercropping system in semi-arid tropics of India: II. Effect of nutrient management/ P.K. Ghosh, M. Mohanty, K.K. Bandyopadhyay, D.K. Painuli, A.K. Misra.

Field Crops Research, Volume 96, Issue 1, , 15 March 2006, Pages 90-97.

Keywords : **Competition; Energy use; Intercropping; Nutrient management; Relative yield; Relative nitrogen yield; Relative phosphorus yield**

Water uptake of soybean (*Glycine max* L. Merr.) during exposure to O₂ deficiency and field level CO₂ concentration in the root zone/ H. Araki.

Field Crops Research, Volume 96, Issue 1, , 15 March 2006, Pages 98-105.

Keywords : **Converted field; Root hydraulic conductance; Hypoxia; Soil CO₂; Soybean; Waterlogging**

Shoot-applied polyamines suppress nodule formation in soybean (*Glycine max*)/ Junko Terakado, Tadakatsu Yoneyama, Shinsuke Fujihara.

Journal of Plant Physiology, v. 163, Issue 5, , 3 March 2006, Pages 497-505.

Keywords : **Brassinolide; Glycine max; Nodule; Polyamine; Super-nodulating mutant**

Development of a cost-effective medium for the large scale production of *Bacillus thuringiensis* var *israelensis*/ G. Prabakaran, K. Balaraman.

Biological Control, Volume 36, Issue 3, , March 2006, Pages 288-292.

Keywords : **Bacillus thuringiensis; Culex quinquefasciatus; Soybean medium; Toxicity; Mosquito**

Plant trichomes indirectly enhance tritrophic interactions involving a generalist predator, the red imported fire ant/ John D. Styrsky, Ian Kaplan, Micky D. Eubanks.

Biological Control, Volume 36, Issue 3, , March 2006, Pages 375-384.

Keywords : Solenopsis invicta; Glycine max; Tritrophic interactions; Trichomes; Functional response; Intraguild predation; Natural enemies; Biological control

Fast pyrolysis of soybean cake: Product yields and compositions/ Basak Burcu Uzun, Ayse Eren Putun, Ersan Putun.

Bioresource Technology, Volume 97, Issue 4, , March 2006, Pages 569-576.

Keywords : Soybean cake; Fast pyrolysis; Bio-fuels

Solubilisation of soybean oil in microemulsions using various surfactants/ John Flanagan, Katrine Kortegaard, D. Neil Pinder, Thomas Rades, Harjinder Singh.

Food Hydrocolloids, Volume 20, Issues 2-3, , 7th International Hydrocolloids Conference, March-May 2006, Pages 253-260.

Keywords : Ethoxylated mono- and diglycerides; Phospholipids; Polyoxyethylene ethyl oxide; Phase diagrams; Dynamic light scattering; Electron microscopy

Soybean protein aggregation induced by lipoxygenase catalyzed linoleic acid oxidation/ Youru Huang, Yufei Hua, Aiyong Qiu.

Food Research International, v. 39, Issue 2, , March 2006, Pages 240-249.

Keywords : Soybean proteins; Aggregation; Lipoxygenase; Linoleic acid; Lipid oxidation

Identification and characterization of an isopentenyltransferase (IPT) gene in soybean (*Glycine max* L.)/ Chunjiang Ye, Suowei Wu, Fannan Kong, Chunjiang Zhou, Qingkai Yang, Yan Sun, Bin Wang.

Plant Science, Volume 170, Issue 3, , March 2006, Pages 542-550.

Keywords : Cytokinins; Isopentenyltransferase gene; Cis-acting elements; Transcription factors

Specific flavonoids as interconnecting signals in the tripartite symbiosis formed by arbuscular mycorrhizal fungi, *Bradyrhizobium japonicum*

(Kirchner) Jordan and soybean (*Glycine max* (L.) Merr.)/ Pedro M. Antunes, Istvan Rajcan, Michael J. Goss.

Soil Biology and Biochemistry, v. 38, Issue 3, , March 2006, Pages 533-543.

Keywords : Tripartite symbiosis; Signalling; Flavonoids; Arbuscular mycorrhizal fungi; Rhizobia; Soybean; Early interaction; Legume

Light tractor traffic frequency on soil compaction in the Rolling Pampa region of Argentina/ G.F. Botta, D. Jorajuria, H. Rosatto, C. Ferrero.

Soil and Tillage Research, Volume 86, Issue 1, , March 2006, Pages 9-14.

Keywords : Soil compaction; Repeated traffic; Bearing capacity

Protein degradation kinetics of untreated and treated soybean meal using SDS-PAGE/ A.A. Sadeghi, A. Nikkhah, P. Shawrang, M.M. Shahrehabak.

Animal Feed Science and Technology, Volume 126, Issues 1-2, , 28 February 2006, Pages 121-133.

Keywords : Nylon bags; SDS-PAGE; In vitro digestibility; Untreated and treated SBM

Identification of quantitative trait loci controlling nodulation and shoot mass in progenies from two Brazilian soybean cultivars/ Marisa F. Nicolas, Mariangela Hungria, Carlos A.A. Arias.

Field Crops Research, Volume 95, Issues 2-3, , 15 February 2006, Pages 355-366.

Keywords : Biological nitrogen fixation; Bradyrhizobium; Quantitative trait loci (QTL); Glycine max; Simple sequence repeats (SSR); Nodulation

Methyl jasmonate, alone or in combination with genistein, and *Bradyrhizobium japonicum* increases soybean (*Glycine max* L.) plant dry matter production and grain yield under short season conditions/ Fazli Mabood, Xiaomin Zhou, Kyung-Dong Lee, Donald L. Smith

Field Crops Research, Volume 95, Issues 2-3, , 15 February 2006, Pages 412-419.

Keywords : Bradyrhizobium japonicum; Genistein; Methyl jasmonate; Nodulation; Soybean

Screening of 42 *Bacillus* isolates for ability to ferment soybeans into dawadawa/ Wisdom Kofi Amoa-Awua, Nora Narkie Terlabie, Esther Sakyi-Dawson.

International Journal of Food Microbiology, Volume 106, Issue 3, , 15 February 2006, Pages 343-347.

Keywords : Dawadawa; Soybeans; Bacillus species; Starter culture

Plant species identification using Elliptic Fourier leaf shape analysis/ Joao Camargo Neto, George E. Meyer, David D. Jones, Ashok K. Samal.

Computers and Electronics in Agriculture, Volume 50, Issue 2, , February 2006, Pages 121-134.

Keywords : Elliptic Fourier; Discriminant analysis; Leaves; Machine vision; Shape features

The comparative ability of four isolates of *Bacillus subtilis* to ferment soybeans into dawadawa/ Nora Narkie Terlabie, Esther Sakyi-Dawson, Wisdom Kofi Amoa-Awua.

International Journal of Food Microbiology, Volume 106, Issue 2, , 1 February 2006, Pages 145-152.

Keywords : Starter culture; Dawadawa; Soybeans; Bacillus spp.

Bitter vetch grains as a substitute for soybean meal for growing lambs/ S.G. Haddad.

Livestock Science, Volume 99, Issues 2-3, , February 2006, Pages 221-225.

Keywords : Soybean meal; Bitter vetch grain; Rumen undegradable protein; Awassi

Heme oxygenase activity and oxidative stress signaling in soybean leaves/ K.B. Balestrasse, G.O. Noriega, A. Batlle, M.L. Tomaro.

Plant Science, Volume, 170, Issue 2, , February 2006, Pages 339-346.

Keywords : Cd toxicity; Heme oxygenase; Leaves; Signaling pathways; Soybean

Expression of [Delta]6, [Delta]5 desaturase and GLELO elongase genes from *Mortierella alpina* for production of arachidonic acid in soybean [*Glycine max* (L.) Merrill] seeds/ Ren Chen, Keisuke Matsui, Miyuki Ogawa, Mieko Oe,

Misa Ochiai, Hiroshi Kawashima, Eiji Sakuradani, Sakayu Shimizu, Masao Ishimoto, Makoto Hayashi, Yoshikatsu Murooka, Yoshikazu Tanaka.

Plant Science, Volume 170, Issue 2, , February 2006, Pages 399-406/

Keywords : Gene transformation; Fatty-acid desaturase and elongase; Mortierella alpina; Very long-chain polyunsaturated fatty acids; Arachidonic acid; Soybean

Subsurface drain flow and crop yield predictions for different drain spacings using DRAINMOD/ X. Wang, C.T. Mosley, J.R. Frankenberger, E.J. Klavivko.

Agricultural Water Management, Volume 79, Issue 2, , 18 January 2006, Pages 113-136.

Keywords : DRAINMOD; Subsurface drainage; Modeling; Automatic calibration; Multi-objective; Yield

Nod Bj-V (C18:1, MeFuc) production by Bradyrhizobium japonicum (USDA110, 532C) at suboptimal growth temperatures/ Haifa M. Duzan, Fazli Mabood, Alfred Souleimanov, Donald L. Smith.

Journal of Plant Physiology, Volume 163, Issue 1, , 4 January 2006, Pages 107-111.

Keywords : Bradyrhizobium japonicum; Glycine max; Nod factor; Suboptimal growth temperature

Litter quality effects on soil carbon and nitrogen dynamics in temperate alley cropping systems/ Nancy W. Mungai, Peter P. Motavalli.

Applied Soil Ecology, Volume 31, Issues 1-2, , January 2006, Pages 32-42.

Keywords : Litter quality; C and N mineralization; Litterbag; Temperate alley cropping

Solubilization of insoluble inorganic phosphates by a novel salt- and pH-tolerant Pantoea agglomerans R-42 isolated from soybean rhizosphere/ Hong-Joo Son, Geun-Tae Park, Mi-Sun Cha, Moon-Soo Heo.

Bioresource Technology, Volume 97, Issue 2, , January 2006, Pages 204-210.

Keywords : Biofertilizer; Pantoea agglomerans; Phosphate solubilization; Stress

Leaf orientation, photorespiration and xanthophyll cycle protect young soybean leaves against high irradiance in field/ Chuang-Dao Jiang, Hui-Yuan Gao, Qi Zou, Gao-Ming Jiang, Ling-Hao Li.

Environmental and Experimental Botany, Volume 55, Issues 1-2, , January 2006, Pages 87-96.

Keywords : Photosynthetic rate; Chlorophyll a fluorescence; Photorespiration; Xanthophyll cycle; Leaf orientation; Soybean

Postflowering photoperiod regulates vegetative growth and reproductive development of soybean/ Tianfu Han, Cunxiang Wu, Zhe Tong, Rao S. Mentreddy, Kehui Tan, Junyi Gai.

Environmental and Experimental Botany, Volume 55, Issues 1-2, , January 2006, Pages 120-129.

Keywords : Soybean; Glycine max; Photoperiod; Vegetative growth; Flowering reversion; Reproductive development

Temporal profiles of pod production and pod set in soybean/ Dennis B. Egli, W.P. Bruening.

European Journal of Agronomy, Volume 24, Issue 1, , January 2006, Pages 11-18.

Keywords : Glycine max (L.) Merrill; Pod survival; Flower and pod abortion; Growth habit

Soybean (*Glycine max* (L.) Merr.) growth and development response to CO₂ enrichment under different temperature regimes/ Alexandre Bryan Heinemann, Aline de H.N. Maia, Durval Dourado-Neto, K.T. Ingram, Gerrit Hoogenboom.

European Journal of Agronomy, Volume 24, Issue 1, , January 2006, Pages 52-61.

Keywords : Growth chamber; Controlled environment; Global climate change; Growth analysis; Soybean; Temperature; CO₂; Development

Specific, semi-quantitative detection of the soybean allergen Gly m Bd 30K DNA by PCR/ A.M. Torp, A. Olesen, E. Sten, P. Stahl Skov, U. Bindslev-Jensen, L.K. Poulsen, C. Bindslev-Jensen, S.B. Andersen.

Food Control, Volume 17, Issue 1, , January 2006, Pages 30-36.

Keywords : Soybean; Allergen; Gly m Bd 30K; PCR

Bio-oil production from soybean (*Glycine max L.*); fuel properties of Bio-oil/
Sevgi Sensoz, Ilke Kaynar.

Industrial Crops and Products, Volume 23, Issue 1, , January 2006, Pages 99-105.

Keywords : Biomass; Glycine max L.; Soybean oil cake; Pyrolysis; Bio-oil; Characterization

The use of the orthogonal collocation method on the study of the drying kinetics of soybean seeds/ M.A.S. Barrozo, H.M. Henrique, D.J.M. Sartori, J.T. Freire.

Journal of Stored Products Research, v. 42, Issue 3, , 2006, Pages 348-356.

Keywords : Drying; Soybean seeds; Diffusion model

Reduced polysome levels and preferential recruitment of a defense gene transcript into polysomes in soybean cells treated with the syringolide elicitor/ David H. Slaymaker, Craig M. Hoppey.

Plant Science, Volume 170, Issue 1, , January 2006, Pages 54-60.

Keywords : Syringolide; HR; Soybean defense response; Elicitor; Translation; Polysome

Deep tillage management for high strength southeastern USA Coastal Plain soils/ W.J. Busscher, P.J. Bauer, J.R. Frederick.

Soil and Tillage Research, Volume 85, Issues 1-2, , January 2006, Pages 178-185.

Keywords : Deep tillage; Reduced tillage; Soil strength; Hardpan; Rotation

BIBLIOGRAFI 2007

PROQUEST

Genetic relationships of body composition and feed utilization traits in European whitefish (*Coregonus lavaretus* L.) and implications for selective breeding in fishmeal- and soybean meal-based diet environments1/C D Quinton, A Kause, K Ruohonen, J Koskela.

Journal of Animal Science. Savoy: Dec 2007. Vol. 85, Iss. 12; p. 3198 (11 p)

In Situ Molecular Identification of the Plastid Δ^3 Fatty Acid Desaturase FAD7 from Soybean: Evidence of Thylakoid Membrane Localization1/Vanesa Andreu, Raquel Collados, Pilar S Testillano, María del Carmen Risueño, et al.

Plant Physiology. Rockville: Dec 2007. Vol. 145, Iss. 4; p. 1336 (8 pages)

An Optimal Dietary Zinc Level of Broiler Chicks Fed a Corn-Soybean Meal Diet1/Y L Huang, L Lu, X G Luo, B Liu.

Poultry Science. Savoy: Dec 2007. Vol. 86, Iss. 12; p. 2582 (8 pages)

Comparison of Broiler Performance When Fed Diets Containing Event DP-356[empty set]43-5 (Optimum GAT^{sup 1^}), Nontransgenic Near-Isoline Control, or Commercial Reference Soybean Meal, Hulls, and Oil/J McNaughton, M Roberts, B Smith, D Rice, et al.

Poultry Science. Savoy: Dec 2007. Vol. 86, Iss. 12; p. 2569 (13 pages)

First record of phyllophaga sp. aff. capillata (Coleoptera: Melolonthidae) as a soybean pest in the Brazillian "Cerrado"/Charles Martins De Oliveira, Miguel Angel Morón, Marina Regina Frizzas.

The Florida Entomologist. Lutz: Dec 2007. Vol. 90, Iss. 4; p. 772 (4 pages)

A novel *Agrobacterium rhizogenes*-mediated transformation method of soybean [*Glycine max* (L.) Merrill] using primary-node explants from seedlings/Paula M Olhoft, Libby M Bernal, Leslie B Grist, D Steven Hill,

In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2007. Vol. 43, Iss. 6; p. 536 (14 pages)

Organogenic callus as the target for plant regeneration and transformation via *Agrobacterium* in soybean (*Glycine max* (L.) Merr.)/Hai Ping Hong, Hongyi Zhang, Paula Olhoft, Steve Hill, et al.

In Vitro Cellular & Developmental Biology. Columbia: Nov/Dec 2007. Vol. 43, Iss. 6; p. 558 (11 pages)

Effect of low-phytate barley or phytase supplementation to a barley-soybean meal diet on phosphorus retention and excretion by grower pigs^{1,2}/J K Htoo, W C Sauer, J L Yáñez, M Cervantes, et al.

Journal of Animal Science. Savoy: Nov 2007. Vol. 85, Iss. 11; p. 2941 (8 p)

The Effect of Phytase and Glucanase on the Ileal Digestible Energy of Corn and Soybean Meal Fed to Broilers/M A Leslie, E T Moran Jr, M R Bedford.

Poultry Science. Savoy: Nov 2007. Vol. 86, Iss. 11; p. 2350 (8 pages)

Ruminal Degradability and Lysine Bioavailability of Soybean Meals and Effects on Performance of Dairy Cows¹/M S Awawdeh, E C Titgemeyer, J S Drouillard, R S Beyer, J E Shirley.

J. of Dairy Science. Champaign: Oct 2007. Vol. 90, Iss. 10; p. 4740 (14 p)

Reduced Carbon Availability to Bacteroids and Elevated Ureides in Nodules, But Not in Shoots, Are Involved in the Nitrogen Fixation Response to Early Drought in Soybean¹[OA]/Rubén Ladrera, Daniel Marino, Estíbaliz Larrainzar, Esther M González, Cesar Arrese-Igor.

Plant Physiology. Rockville: Oct 2007. Vol. 145, Iss. 2; p. 539 (8 pages)

Toward management guidelines for the soybean aphid in Quebec. I. Feeding damage in relationship to seasonality of infestation and incidence of native predators/Marc Rhainds, Michèle Roy, Gaétan Daigle, Jacques Brodeur.

Canadian Entomologist. Ottawa: Sep/Oct 2007. Vol. 139, Iss. 5; p. 728 (14 p)

Effect of Proofing Time and Wheat Flour Strength on Bleaching, Sensory Characteristics, and Volume of French Breads with Added Soybean Lipoxigenase/Roberto M Junqueira, Fabrício Rocha, Maurílio A Moreira, Inar A Castro.

Cereal Chemistry. St. Paul: Sep/Oct 2007. Vol. 84, Iss. 5; p. 443 (7 pages)

Effect of dietary vitamin A concentration and roasted soybean inclusion on marbling, adipose cellularity, and fatty acid composition of beef/M A Gorocica-Buenfil, F L Fluharty, C K Reynolds, S C Loerch.

Journal of Animal Science. Savoy: Sep 2007. Vol. 85, Iss. 9; p. 2230 (13 p)

Virginiamycin improves phosphorus digestibility and utilization by growing-finishing pigs fed a phosphorus-deficient, corn-soybean meal diet^{1,2}/J H Agudelo, M D Lindemann, G L Cromwell, M C Newman, R D Nimmo.

Journal of Animal Science. Savoy: Sep 2007. Vol. 85, Iss. 9; p. 2173 (10 p)

The '6K1' protein of a strain of Soybean mosaic virus localizes to the cell periphery/X-Y Hong, J Chen, Y-H Shi, J-P Chen.

Archives of Virology. New York: Aug 2007. Vol. 152, Iss. 8; p. 1547 (5 pages)

Involvement of a Soybean ATP-Binding Cassette-Type Transporter in the Secretion of Genistein, a Signal Flavonoid in Legume-Rhizobium Symbiosis¹ Akifumi Sugiyama, Nobukazu Shitan, Kazufumi Yazaki. *Plant Physiology*. Rockville: Aug 2007. Vol. 144, Iss. 4; p. 2000 (9 pages)

Drought-Stressed Soybean Supplementation for Beef Cows¹/J D Steele, J P Banta, R P Wettemann, C R Krehbiel, D L Lalman.

Professional Animal Scientist. Champaign: Aug 2007. Vol. 23, Iss. 4; p. 358 (8 pages)

Intake and Digestibility of Bahiagrass Hay by Cattle that are Supplemented with Molasses or Molasses-Urea with or without Soybean Hulls^{1,2}/M J Kostenbauder, S W Coleman, C C Chase Jr, W E Kunkle, et al.

Professional Animal Scientist. Champaign: Aug 2007. Vol. 23, Iss. 4; p. 373 (8 pages)

Soybean Hull Supplementation for Growing Beef Cattle in Winter Rye Pasture Production Programs/K E Hales, E M Whitley, G W Horn, M D Childs, C L Goad.

Professional Animal Scientist. Champaign: Aug 2007. Vol. 23, Iss. 4; p. 381 (9 pages)

Rhizobitoxine-induced Chlorosis Occurs in Coincidence with Methionine Deficiency in Soybeans/Shin Okazaki, Masayuki Sugawara, Ken-Ichi Yuhashi, Kiwamu Minamisawa.

Annals of Botany. Oxford: Jul 2007. Vol. 100, Iss. 1; p. 55 (5 pages)

Soybean Production under Stress Condition: Can Crop Insurance Avert Risk?/S B Nahatkar, P K Mishra, B B Beohar.

Indian Journal of Agricultural Economics. Bombay: Jul-Sep 2007. Vol. 62, Iss. 3; p. 539 (1 page)

Effects of Soybean Isoflavone on Growth Performance, Meat Quality, and Antioxidation in Male Broilers/Z Y Jiang, S Q Jiang, Y C Lin, P B Xi, et al.

Poultry Science. Savoy: Jul 2007. Vol. 86, Iss. 7; p. 1356 (7 pages)

Butter Composition and Texture from Cows with Different Milk Fatty Acid Compositions Fed Fish Oil or Roasted Soybeans1/G Bobe, S Zimmerman, E G Hammond, A E Freeman, et al.

Journal of Dairy Science. Champaign: Jun 2007. Vol. 90, Iss. 6; p. 2596 (8 p)

Pathogen-induced binding of the soybean zinc finger homeodomain proteins GmZF-HD1 and GmZF-HD2 to two repeats of ATTA homeodomain binding site in the calmodulin isoform 4 (GmCaM4) promoter/Hyeong Cheol Park, Man Lyang Kim, Sang Min Lee, Jeong Dong Bahk, et al.

Nucleic Acids Research. Oxford: Jun 2007. Vol. 35, Iss. 11; p. 3612 (12 p)

Effects of Fermented Soybean Meal on Digestive Enzyme Activities and Intestinal Morphology in Broilers/J Feng, X Liu, Z R Xu, Y Z Wang, J X Liu.

Poultry Science. Savoy: Jun 2007. Vol. 86, Iss. 6; p. 1149 (6 pages)

International Trade, Biofuel Initiatives Reshaping the Soybean Sector/Mark Ash, Erik Dohlman.

Amber Waves. Washington: May 2007. Vol. 5; p. 56 (1 page)

Development and Seed Number in Indeterminate Soybean as Affected by Timing and Duration of Exposure to Long Photoperiods after Flowering/Adriana G. Kantolic, Gustavo A. Slafer.

Annals of Botany. Oxford: May 2007. Vol. 99, Iss. 5; p. 925

Soybean Root Suberin: Anatomical Distribution, Chemical Composition, and Relationship to Partial Resistance to *Phytophthora sojae* 1[W][OA]/Raymond Thomas, Xingxiao Fang, Kosala Ranathunge, Terry R Anderson, et al.
Plant Physiology. Rockville: May 2007. Vol. 144, Iss. 1; p. 299 (13 pages)

Identification of the full-length Hs1^{sup} pro-1[^] coding sequence and preliminary evaluation of soybean cyst nematode resistance in soybean transformed with Hs1^{sup} pro-1[^] cDNA/Michael D McLean, Gordon J Hoover, Bonnie Bancroft, Amina Makhmoudova, et al.
Canadian Journal of Botany. Ottawa: Apr 2007. Vol. 85, Iss. 4; p. 437 (4 p)

Enzymes as Feed Additive to Aid in Responses Against *Eimeria* Species in Coccidia-Vaccinated Broilers Fed Corn-Soybean Meal Diets with Different Protein Levels/J Parker, E O Oviedo-Rondón, B A Clack, S Clemente-Hernández, et al.
Poultry Science. Savoy: Apr 2007. Vol. 86, Iss. 4; p. 643 (11 pages)

Clothianidin Seed Treatments Inconsistently Affect Corn Forage Yield When following Soybean/William J Cox, Jerome H Cherney, Elson Shields.
Agronomy Journal. Madison: Mar/Apr 2007. Vol. 99, Iss. 2; p. 543 (6 pages)

Map Location of the Rpp1 Locus That Confers Resistance to Soybean Rust in Soybean/D L Hyten, G L Hartman, R L Nelson, R D Frederick, et al.
Crop Science. Madison: Mar/Apr 2007. Vol. 47, Iss. 2; p. 837 (4 pages)

Mapping and Confirmation of the 'Hyuuga' Red-Brown Lesion Resistance Gene for Asian Soybean Rust/Maria J Monteros, Ali M Missaoui, Daniel V Phillips, David R Walker, H Roger Boerma.
Crop Science. Madison: Mar/Apr 2007. Vol. 47, Iss. 2; p. 829 (8 pages)

The effect of feeding low-phytate barley-soybean meal diets differing in protein content to growing pigs on the excretion of phosphorus and nitrogen1,2/J K Htoo, W C Sauer, Y Zhang, M Cervantes, et al.
Journal of Animal Science. Savoy: Mar 2007. Vol. 85, Iss. 3; p. 700 (6 pages)

Supplementation of Avizyme 1502 to Corn-Soybean Meal-Wheat Diets Fed to Turkey Tom Poults: The First Fifty-Six Days of Age/C Troche, X Sun, A P McElroy, J Remus, C L Novak.

Poultry Science. Savoy: Mar 2007. Vol. 86, Iss. 3; p. 496 (7 pages)

Allergenicity of Soybean: New Developments in Identification of Allergenic Proteins, Cross-Reactivities and Hypoallergenization Technologies/Lamia L'Hocine, Joyce I Boye.

Critical Reviews in Food Science and Nutrition. Boca Raton: 2007. Vol. 47, Iss. 2; p. 127 (17 pages)

Infection of soybean by cucumber mosaic virus as determined by viral movement protein/J. S. Hong, S. Ohnishi, C. Masuta, J. K. Choi, K. H. Ryu.

Archives of Virology. New York: Feb 2007. Vol. 152, Iss. 2; p. 321 (8 pages)

Ruminal Degradability and Intestinal Digestibility of Protein and Amino Acids in Treated Soybean Meal Products/S I Borucki Castro, L E Phillip, H Lapiere, P W Jardon, R Berthiaume.

Journal of Dairy Science. Champaign: Feb 2007. Vol. 90, Iss. 2; p. 810 (13 p)

Correlation of an Immobilized Digestive Enzyme Assay with Poultry True Amino Acid Digestibility for Soybean Meal/C S Schasteen, J Wu, M G Schulz, C M Parsons.

Poultry Science. Savoy: Feb 2007. Vol. 86, Iss. 2; p. 343 (6 pages)

Evaluating the CROPGRO Soybean Model for Predicting Impacts of Insect Defoliation and Depodding/J Timsina, K J Boote, S Duffield.

Agronomy Journal. Madison: Jan/Feb 2007. Vol. 99, Iss. 1; p. 148 (10 pages)

Self-Seeding Winter Cereal Cover Crops in Soybean/Jeremy W Singer, Keith A Kohler, Paul B McDonald.

Agronomy Journal. Madison: Jan/Feb 2007. Vol. 99, Iss. 1; p. 73 (7 pages)

Winter Triticale Response to Nitrogen Fertilization when Grown after Corn or Soybean/Lance R Gibson, Carasella D Nance, Douglas L Karlen.

Agronomy Journal. Madison: Jan/Feb 2007. Vol. 99, Iss. 1; p. 49 (10 pages)

Attributes of Glycosylation in the Establishment of the Unfolding Pathway of Soybean Agglutinin/Sharmistha Sinha, Avadhesh Surolia.

Biophysical Journal. New York: Jan 1, 2007. Vol. 92, Iss. 1; p. 208 (9 pages)

Pressurized Solvent Extraction of Genistein and Its [beta]-Glucoside Conjugates from Soybean Flours and Soy-Based Foods1/J M Downing, O K Chung, P A Seib, J D Hubbard.

Cereal Chemistry. St. Paul: Jan/Feb 2007. Vol. 84, Iss. 1; p. 44 (4 pages)

Accumulation of Nitrogen and Dry Matter by Soybean Seeds with Genetic Differences in Protein Concentration/D B Egli, W P Bruening.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 359 (8 pages)

Characterization of Soybean Exhibiting High Expression of a Synthetic Bacillus thuringiensis cry1A Transgene That Confers a High Degree of Resistance to Lepidopteran Pests/John A Miklos, Murtaza F Alibhai, Stefan A Bledig, Dannette C Connor-Ward, et al.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 148 (10 pages)

Genotypic Variation for Three Physiological Traits Affecting Drought Tolerance in Soybean/E Vicki Hufstetler, H Roger Boerma, Thomas E Carter Jr, Hugh J Earl.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 25 (11 pages)

Identification of Field Tolerance to Bean Pod Mottle and Soybean Mosaic Viruses in Soybean/J H Hill, N C Koval, J M Gaska, C R Grau.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 212 (7 pages)

Intra-Cultivar Variation for Seed Weight and Other Agronomic Traits within Three Elite Soybean Cultivars/Vasilias A Fasoula, H Roger Boerma.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 367 (7 pages)

Molecular Mapping of Male-Sterility Loci ms2 and ms9 in Soybean I Cervantes-Martinez, M Xu, L Zhang, Z Huang, et al.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 374 (6 pages)

Molecular Analysis of Soybean Lines with Low Palmitic Acid Content in the Seed Oil/Andrea J Cardinal, Joseph W Burton, Ana Maria Camacho-Roger, Ji H Yang, et al.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 304 (7 pages)

Pollen-Based Screening of Soybean Genotypes for High Temperatures/Mohammed A Salem, Vijaya Gopal Kakani, Sailaja Koti, K Raja Reddy.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 219 (13 pages)

QTL Associated with Yield in Three Backcross-Derived Populations of Soybean/P S Guzman, B W Diers, D J Neece, S K St Martin, et al.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 111 (12 pages)

Soybean Rust Resistance Derived from *Glycine tomentella* in Amphiploid Hybrid Lines/M E Patzoldt, R K Tyagi, T Hymowitz, M R Miles, et al.

Crop Science. Madison: Jan/Feb 2007. Vol. 47, Iss. 1; p. 158 (4 pages)

The FAD2 Gene Family of Soybean: Insights into the Structural and Functional Divergence of a Paleopolyploid Genome/Jessica A Schlueter, Iryna F Vasylenko-Sanders, Shweta Deshpande, Jing Yi, et al.

Crop Science. Madison: Jan 2007. Vol. 47; p. S14 (13 pages)

Effect of substitution of a soybean hull and grape seed meal mixture for traditional fiber sources on digestion and performance of growing rabbits and lactating does/1/N Nicodemus, J García, R Carabaño, J C De Blas.

Journal of Animal Science. Savoy: Jan 2007. Vol. 85, Iss. 1; p. 181 (7 pages)

Soybean Rust in the United States
Jared Walter. *Journal of Natural Resources and Life Sciences Education. Madison: 2007. Vol. 36; p. 32 (4 pages)*

Decreases in Stomatal Conductance of Soybean under Open-Air Elevation of [CO^{sub} 2[^]] Are Closely Coupled with Decreases in Ecosystem Evapotranspiration/1,2[W][OA]/Carl J Bernacchi, Bruce A Kimball, Devin R Quarles, Stephen P Long, Donald R Ort.

Plant Physiology. Rockville: Jan 2007. Vol. 143, Iss. 1; p. 134 (11 pages)

Transcriptome Analysis Reveals a Critical Role of CHS7 and CHS8 Genes for Isoflavonoid Synthesis in Soybean Seeds1[W][OA]/Sangeeta Dhaubhadel, Mark Gijzen, Pat Moy, Mana Farhangkhoe. *Plant Physiology. Rockville: Jan 2007. Vol. 143, Iss. 1; p. 326 (13 pages)*

Comments on "Need for a Soil-based Approach in Managing Nitrogen Fertilizers for Profitable Corn Production" and "Soil Organic Nitrogen Enrichment Following Soybean in an Iowa Corn-Soybean Rotation"/Response to "Comments on 'Need for a Soil-based Approach in Managing Nitrogen Fertilizers for Profitable Corn Production' and 'Soil Organic Nitrogen Enrichment Following Soybean in an Iowa Corn-Soybean Rotation'"/Response to "Comments on 'Need for a Soil-based Approach in Managing Nitrogen Fertilizers for Profitable Corn Production' and 'Soil Organic Nitrogen Enrichment Following Soybean in an Iowa Corn-Soybean Rotation'"/Laurence Greenfield, Dan B Jaynes, Daniel C Olk, Thomas S Colvin, et al. *Soil Science Society of America Journal. Madison: Jan/Feb 2007. Vol. 71, Iss. 1; p. 254 (3 pages)*

Corn-Soybean Sequence and Tillage Effects on Soil Carbon Dynamics and Storage/D R Huggins, R R Allmaras, C E Clapp, J A Lamb, G W Randall. *Soil Science Society of America Journal. Madison: Jan/Feb 2007. Vol. 71, Iss. 1; p. 145 (10 pages)*

SCIENCE DIRECT

Isolation of a novel family of genes related to 2-oxoglutarate-dependent dioxygenases from soybean and analysis of their expression during root nodule senescence/Candace J. Webb, Christina Chan-Weiher, Douglas A. Johnson,

*Journal of Plant Physiology*In Press, Corrected Proof, , Available online 21 December 2007.

Keywords : Dioxygenase; Gene expression; Root nodule; Senescence; Soybean

Limiting amino acids for growing goats fed a corn grain, soybean meal and maize stover based diet/ J.G. Shan, Z.L. Tan, Z.H. Sun, J.P. Hu, S.X. Tang, H.L. Jiang, C.S. Zhou, M. Wang, G.O. Tayo.

Animal Feed Science and Technology, Volume 139, Issues 3-4, , 15 December 2007, Pages 159-169.

Keywords : Methionine; Lysine; Leucine; Plasma amino acids; Plasma urea; Amino acid digestibility

Influence of dietary inorganic and organic copper salt and level of soybean oil on plasma lipids, metabolites and mineral balance of broiler chickens/ M.K. Mondal, T.K. Das, P. Biswas, C.C. Samanta, B. Bairagi.

Animal Feed Science and Technology, Volume 139, Issues 3-4, , 15 December 2007, Pages 212-233.

Keywords : Cu-proteinate; Cu-sulphate; Plasma lipids; Mineral balance; Broiler chicken

General up regulation of *Spodoptera frugiperda* trypsins and chymotrypsins allows its adaptation to soybean proteinase inhibitor/ Daniela Brioschi, Larissa D. Nadalini, Mario H. Bengtson, Mari Cleide Sogayar, Daniel S. Moura, Marcio C. Silva-Filho.

Insect Biochemistry and Molecular Biology, Volume 37, Issue 12, , December 2007, Pages 1283-1290.

Keywords : Spodoptera frugiperda; Proteinase inhibitors; Transcriptome; Trypsins; Chymotrypsins; Adaptation mechanism; Shotgun approach

Liming in the transition to no-till under a wheat-soybean rotation/ Antonio Costa, Ciro A. Rosolem.

Soil and Tillage Research, Volume 97, Issue 2, , December 2007, Pages 207-217.

Keywords : Aluminium; Base leaching; Calcium; Magnesium; Organic acids

Studies on the mechanism by which a high intake of soybean oil depresses the apparent digestibility of fibre in horses/ W.L. Jansen, M.M. Sloet van Oldruitenborgh-Oosterbaan, J.W. Cone, H.T. De Vries, J.M. Hallebeek, R.

Hovenier, J. Van der Kuilen, C.M. Huurdeman, D.C.G.M. Verstappen, M.C. Gresnigt, A.C. Beynen.

Animal Feed Science and Technology, Volume 138, Issues 3-4, , 15 November 2007, Pages 298-308.

Keywords : Horse; Digestibility; Bile acid; Fatty acid; Linoleic acid

Molecular cloning and characterization of a novel microsomal oleate desaturase gene from soybean/ Lingyong Li, Xiaolin Wang, Junyi Gai, Deyue *Journal of Plant Physiology*, Volume 164, Issue 11, , 9 November 2007, Pages 1516-1526.

Keywords : FAD2; Microsomal oleate desaturase; Polyunsaturated fatty acids (PUFAs); Soybean (Glycine max Merr. L)

Transpiration responses to vapor pressure deficit in well watered 'slow-wilting' and commercial soybean/ Andrew L. Fletcher, Thomas R. Sinclair, L. Hartwell Allen Jr.

Environmental and Experimental Botany, Volume 61, Issue 2, , November 2007, Pages 145-151.

Keywords : Slow-wilting; Soybean; Transpiration; Vapor pressure deficit

Tillage and rotation effect on corn-soybean energy balances in eastern Nebraska/ G.-W. Rathke, B.J. Wienhold, W.W. Wilhelm, W. Diepenbrock. *Soil and Tillage Research*, v. 97, Issue 1, , November 2007, Pages 60-70.

Keywords : Corn; Soybean; Tillage treatment; Crop rotation; Energy balance

Growth media effects on shoot physiology, nodule numbers and symbiotic nitrogen fixation in soybean/ P.D.R. Van Heerden, M. De Beer, D.J. Mellet, H.S. Maphike, W. Foit.

South African Journal of Botany, Volume 73, Issue 4, , November 2007, Pages 600-605.

Keywords : Nitrogenase; Nodulation; Root nodules; Soybean [Glycine max (L.) Merr.]; Symbiotic nitrogen fixation; Ureides

Gas exchange characteristics and dry matter accumulation of soybean treated with Nod factors/ Juan Jose Almaraz, Xiaomin Zhou, Alfred Souleimanov, Donald Smith.

Journal of Plant Physiology, Volume 164, Issue 10, , 19 October 2007, Pages 1391-1393.

Keywords : Nitrogen fixation; Nod factors; Photosynthesis; Rhizobia; Soybean

Temporal and spatial dynamics of earthworm surface casting in a temperate soybean agroecosystem/ Jonathan M. Perreault, Nikita S. Eriksen-Hamel, Joann K. Whalen.

Applied Soil Ecology, Volume 37, Issues 1-2, , October 2007, Pages 10-17.

Keywords : Earthworm cast; Field enclosure; Aporetodea caliginosa; Lumbricus terrestris

Density-dependent responses of soybean aphid (*Aphis glycines* Matsumura) populations to generalist predators in mid to late season soybean fields/ Jack R. Donaldson, Scott W. Myers, Claudio Gratton.

Biological Control, Volume 43, Issue 1, , October 2007, Pages 111-118.

Keywords : Generalist natural enemies; Aphis glycines; Emigration; Mortality; Soybean; Predators

Monitoring of Roundup(TM) Ready soybean in Guangdong province in China/ Xia Zhou, Wei Liu, Jun Lian, Wen-qing Zhang.

Food Control, Volume 18, Issue 10, , October 2007, Pages 1219-1222.

Keywords : Roundup(TM) Ready soybean; PCR; Detection

Detection of recombinant DNA of genetically modified (GM) soybeans in heat-treated GM soybeans and commercial natto/ Yoshiteru Kakihara, Hiroshi Matsufuji, Makoto Chino, Kazuo Yamagata.

Food Control, Volume 18, Issue 10, , October 2007, Pages 1289-1294.

Keywords : Genetically modified soybeans; Processed foods; DNA fragmentation; PCR

Variations of tissue DNA density and nuclear DNA content in soybean lines and their impacts on the GMO quantification/ Wen-Tao Xu, Kun-Lun Huang, Ai-Ke Deng, Zhi-hong Liang, Yun-Bo Luo.

Food Control, Volume 18, Issue 10, , October 2007, Pages 1300-1306.

Keywords : DNA density; Nuclear DNA content; GMO; Soybean; Impact; Quantification

Oxidation kinetics of soybean oil/anhydrous milk fat blends: A differential scanning calorimetry study/ Jennifer Thurgood, Robert Ward, Silvana Martini.

Food Research International, Volume 40, Issue 8, , October 2007, Pages 1030-1037.

Keywords : Differential scanning calorimetry; Oxidation; Lipids; Arrhenius equation; Ozawa-Flynn-Wall method

Stability and rheology of concentrated O/W emulsions based on soybean oil/palm kernel olein blends/ Ibrahim Nor Hayati, Yaakob Bin Che Man, Chin Ping Tan, Idris Nor Aini.

Food Research International, Volume 40, Issue 8, , October 2007, Pages 1051-1061.

Keywords : Soybean oil; Palm kernel olein; Droplet size; Flow behavior; Viscoelastic; Emulsion stability; Coalescence; Flocculation

An optimized Agrobacterium-mediated transformation for soybean for expression of binary insect resistance genes/ Wei Dang, Zhi-ming Wei.

Plant Science, Volume 173, Issue 4, , October 2007, Pages 381-389.

Keywords : Agrobacterium tumefaciens; Embryonic tip; Optimization; Soybean [Glycine max (L.) Merr]

The potential use of the legume-rhizobium symbiosis for the remediation of arsenic contaminated sites/ S.M. Reichman

Soil Biology and Biochemistry, Volume 39, Issue 10, , October 2007, Pages 2587-2593.

Keywords : Arsenic; Bradyrhizobium japonicum; Legume; Nitrogen fixation; Glycine max (soybean); Plant growth-promoting bacteria; Rhizobium

Traffic alternatives for harvesting soybean (*Glycine max* L.): Effect on yields and soil under a direct sowing system/ G.F. Botta, O. Pozzolo, M. Bomben, H. Rosatto, D. Rivero, M. Ressia, M. Tourn, E. Soza, J. Vazquez

Soil and Tillage Research, Volume 96, Issues 1-2, , October 2007, Pages 145-154.

Keywords : Soil compaction; Repeated traffic; Direct drill

Mineralization of ¹⁴C-atrazine in an entic haplustoll as affected by selected winter weed control strategies/ S. Hang, S. Houot, E. Barriuso.

Soil and Tillage Research, v. 96, Issues 1-2, , October 2007, Pages 234-242.

Keywords : Crop sequence; Non-tillage; Reduced tillage; Soil organic matter stratification; Herbicides

Surface-soil responses to paraplowing of long-term no-tillage cropland in the Southern Piedmont USA/ A.J. Franzluebbers, H.H. Schomberg, D.M. Endale, *Soil and Tillage Research*, Volume 96, Issues 1-2, , October 2007, Pages 303-315.

Keywords : Bulk density; Conservation tillage; Organic carbon; Soil nitrogen; Soil quality

Land management effects on the near-surface physical quality of a clay loam soil/ W.D. Reynolds, C.F. Drury, X.M. Yang, C.A. Fox, C.S. Tan, T.Q. Zhang.

Soil and Tillage Research, Volume 96, Issues 1-2, , October 2007, Pages 316-330.

Keywords : Soil quality indicators; Clay loam soil; No-tillage; Mouldboard plough tillage; Bluegrass sod; Virgin soil; Organic carbon; Bulk density; Porosity; Air capacity; Plant-available water capacity; Hydraulic conductivity

Model on the microbial quality change of seasoned soybean sprouts for on-line shelf life prediction/ Dong Sun Lee, Keum-Jin Hwang, Duck Soon An, Jin Pyo Park, Hyuek Jae Lee.

International Journal of Food Microbiology, Volume 118, Issue 3, , 30 September 2007, Pages 285-293.

Keywords : Microbial growth model; Aerobic bacteria; Lag time; Growth rate; Fluctuating temperature

Forage soybean performance in mediterranean environments/ E. Acikgoz, M. Sincik, M. Oz, S. Albayrak, G. Wietgreffe, Z.M. Turan, A.T. Goksoy, U. Bilgili, A. Karasu, O. Tongel, O. Canbolat.

Field Crops Research, v. 103, Issue 3, , 13 September 2007, Pages 239-247.

Keywords : Glycine max (L.) Merr.; Crude protein; Degradable protein; In vitro dry matter digestibility

Improved growth of salinity-stressed soybean after inoculation with salt pre-treated mycorrhizal fungi/ Mozafar Sharifi, Mahlagha Ghorbanli, Hassan Ebrahimzadeh.

Journal of Plant Physiology, Volume 164, Issue 9, , 5 September 2007, Pages 1144-1151.

Keywords : Arbuscular mycorrhizae; Glycine max; Salt acclimation; Salt stress; Salt tolerance

Genetic Analysis of Embryo, Cytoplasm and Maternal Effects and Their Environment Interactions for Isoflavone Content in Soybean [Glycine max (L.) Merr.]/ Hui-zhen LIANG, Shu-feng WANG, Ting-feng WANG, Hai-yang ZHANG, Shuang-jin ZHAO, Meng-chen ZHANG.

Agricultural Sciences in China, Volume 6, Issue 9, , September 2007, Pages 1051-1059.

Keywords : isoflavone content (IC); Glycine max (L.) Merr. (soybean); genetic effect; heritability

Predicted soil organic carbon stocks and changes in the Brazilian Amazon between 2000 and 2030/ C.E.P. Cerri, M. Easter, K. Paustian, K. Killian, K. Coleman, M. Bernoux, P. Falloon, D.S. Powlson, N.H. Batjes, E. Milne, C.C. Cerri.

Agriculture, Ecosystems & Environment, Volume 122, Issue 1, , Soil carbon stocks at regional scales - Assessment of Soil Organic Carbon Stocks and Change at National Scale, Final Project Presentation, The United Nations Environment Programme, Nairobi, Kenya, 23-24 May 2005, September 2007, Pages 58-72.

Keywords : Soil organic carbon; Regional estimates; Land use change; Brazilian Amazon

Effects of pulsed electric fields on physicochemical properties of soybean protein isolates/ Yingqiu Li, Zhengxing Chen, Haizhen Mo.
LWT - Food Science and Technology, Volume 40, Issue 7, , September 2007, Pages 1167-1175.

Keywords : Pulsed electric fields; Soybean protein isolates; Physicochemical properties; Protein structure; Protein aggregation

Effects of soybean small peptides on nitrogen balance, nutrient digestibility and several indices in the portal venous plasma of goats/ Bin Zhang, Li-Qun Xue, Li-Li Li, Yu-Guang Chen, Gui-Hui Wen, De-Xing Hou.
Small Ruminant Research, Volume 72, Issue 1, , September 2007, Pages 1-10.

Keywords : Small peptide; Free amino acids; Nitrogen equilibrium; Digestibility; Goat

Tillage effect on C stocks of a clayey Oxisol under a soybean-based crop rotation in the Brazilian Cerrado region/ Claudia P. Jantalia, Dimas V.S. Resck, Bruno J.R. Alves, Lincoln Zotarelli, Segundo Urquiaga, Robert M. Boddey.

Soil and Tillage Research, Volume 95, Issues 1-2, , September 2007, Pages 97-109.

Keywords : 13C; Brazil; Cerrado region; Charcoal; Disc plough; Mouldboard plough; Soil carbon accumulation; Soil organic matter; Soybean; Zero tillage

Soil carbon dioxide and methane fluxes from long-term tillage systems in continuous corn and corn-soybean rotations/ Rex A. Omonode, Tony J. Vyn, Doug R. Smith, Peter Hegymegi, Anita Gal.

Soil and Tillage Research, Volume 95, Issues 1-2, , September 2007, Pages 182-195.

Keywords : Carbon dioxide emission; Continuous corn; Methane flux; Soil organic carbon; Rotation corn; Chisel plow; Moldboard plow; No-till

Nitrogen fertilization and cropping systems effects on soil organic carbon and total nitrogen pools under chisel-plow tillage in Illinois/ Sindhu Jagadamma, Rattan Lal, Robert G. Hoefl, Emerson D. Nafziger, Eric A. Adee.

Soil and Tillage Research, Volume 95, Issues 1-2, , September 2007, Pages 348-356.

Keywords : Nitrogen fertilizer; Continuous corn; Corn-soybean rotation; Soil organic carbon; Total nitrogen

Deficit irrigations during soybean reproductive stages and CROPGRO-soybean simulations under semi-arid climatic conditions/ Ergun Dogan, Halil Kirnak, Osman Copur.

Field Crops Research, Volume 103, Issue 2, , 30 August 2007, Pages 154-159.

Keywords : Water stress; Reproductive stages; Soybean; CROPGRO-soybean; Semi-arid climatic onditions

Molecular cloning, sequence characterization and tissue-specific expression of six NAC-like genes in soybean (*Glycine max* (L.) Merr.)/ Qingchang Meng, Chunhong Zhang, Junyi Gai, Deyue Yu.

Journal of Plant Physiology, Volume 164, Issue 8, , 23 August 2007, Pages 1002-1012.

Keywords : NAC gene; Phylogeny; Seed development; Soybean (*Glycine max* (L.) Merr.); Transcription factors

Radiation balance and evaporation partitioning in a narrow-row soybean canopy/ Thomas J. Sauer, Jeremy W. Singer, John H. Prueger, Thomas M. DeSutter, Jerry L. Hatfield.

Agricultural and Forest Meteorology, Volume 145, Issues 3-4, , 15 August 2007, Pages 206-214.

Keywords : Radiation balance; Evapotranspiration; Soybean; Priestley-Taylor

Mutagenic and antimutagenic effects of methanol extracts of unfermented and fermented black soybeans/ Yu-Hsiang Hung, Hui-Yu Huang, Cheng-Chun Chou.

International Journal of Food Microbiology, Volume 118, Issue 1, , 15 August 2007, Pages 62-68.

Keywords : Mutagenicity; Antimutagenicity; Black soybean; Solid fermentation

Seed vigour studies in corn, soybean and tomato in response to fish protein hydrolysates and consequences on phenolic-linked responses/ Akiyo Horii, Patrick McCue, Kalidas Shetty.

Bioresource Technology, Volume 98, Issue 11, , August 2007, Pages 2170-2177.

Keywords : Seed vigour; Germination; Plant growth; Fish protein hydrolysate; Proline; Chlorophyll; Phenolics

Antioxidant Activity and Isoflavone Content of Maryland-Grown Soybeans Low in Saturated And/or Alpha-Linolenic Fatty Acids/ M. Smitka, Z. Cheng, M. Luther, L. Yu.

Journal of the American Dietetic Association, Volume 107, Issue 8, Supplement 1, , ADA FNCE 2007 Food & Nutrition Conference & Expo, ADA FNCE 2007 Food & Nutrition Conference & Expo, August 2007, Page A53.

Comparison of the Effect of Using Hazelnut Oil (HO) Versus Soybean Oil (SO) on the Likeability of Baked Products/ C. Roffidal, K. Calabro, R. Bush, J.D. Radcliffe.

Journal of the American Dietetic Association, Volume 107, Issue 8, Supplement 1, , ADA FNCE 2007 Food & Nutrition Conference & Expo, ADA FNCE 2007 Food & Nutrition Conference & Expo, August 2007, Page A76.

cDNA cloning of a BAHD acyltransferase from soybean (*Glycine max*): Isoflavone 7-O-glucoside-6"-O-malonyltransferase/ Hirokazu Suzuki, Tokuzo Nishino, Toru Nakayama.

Phytochemistry, Volume 68, Issue 15, , August 2007, Pages 2035-2042.

Keywords : Soybean; Glycine max; Leguminosae; Malonyltransferase; Acyltransferase; Malonyl-CoA; BAHD; Isoflavone; Isoflavonoid; Glucoside; Malonylglucoside

Higher accumulation of [gamma]-aminobutyric acid induced by salt stress through stimulating the activity of diamine oxidases in *Glycine max* (L.) Merr. Roots/ Su Guo Xing, Yu Bing Jun, Zhang Wen Hau, Liu You Liang.

Plant Physiology and Biochemistry, Volume 45, Issue 8, , August 2007, Pages 560-566.

Keywords : Diamine oxidases; GABA accumulation; Polyamine oxidation; Salt stress; Soybean

Intake, digestibility and nitrogen utilization of Robinia pseudoacacia foliage fed to growing goat wethers/ L.J. Unruh Snyder, J-M. Luginbuhl, J.P. Mueller, A.P. Conrad, K.E. Turner.

Small Ruminant Research, Volume 71, Issues 1-3, , August 2007, Pages 179-193.

Keywords : Boer goats; Digestibility; Intake; Nitrogen metabolism; Robinia pseudoacacia; Tannins

The effects of Glycine max and Helianthus annuus on nutrient availability in two soils/ D.W. Johnson, F.A. Dijkstra, W. Cheng.

Soil Biology and Biochemistry, Volume 39, Issue 8, , August 2007, Pages 2160-2163.

Keywords : Resin membrane; Nutrients; Plant; Rhizosphere; Uptake; Mineralization

Specificity of expression of the GUS reporter gene (uidA) driven by the tobacco ASA2 promoter in soybean plants and tissue cultures/ Yoshimi Inaba, Wei Qun Zhong, Xing-Hai Zhang, Jack M. Widholm.

Journal of Plant Physiology, v. 164, Issue 7, , 26 July 2007, Pages 824-834.

Keywords : Anthranilate synthase; ASA2 promoter; [beta]-glucuronidase assays; Glycine max; Tissue-specific expression

Effect of ethanol concentration on the kinetics of ruminal degradation of soybean meal/ A.A. Sadeghi, P. Shawrang.

Animal Feed Science and Technology, Volume 136, Issues 1-2, , 15 July 2007, Pages 137-145.

Keywords : Soybean meal; Ethanol treatment; Protein degradation

Quantifying predation on soybean aphid through direct field observations/ Alejandro C. Costamagna, Douglas A. Landis.

Biological Control, Volume 42, Issue 1, , July 2007, Pages 16-24.

Keywords : Aphis glycines; Harmonia axyridis; Coccinella septempunctata; Orius insidiosus; Predation

Yield, size and bacterial blotch resistance of *Pleurotus eryngii* grown on cottonseed hulls/oak sawdust supplemented with manganese, copper and whole ground soybean/ A.E. Rodriguez Estrada, D.J. Royse.

Bioresource Technology, Volume 98, Issue 10, , July 2007, Pages 1898-1906.

Keywords : *Pleurotus eryngii*; Mushroom strains; Copper; Manganese; Ground soybean; Cordoncello

Characterisation of two soybean (*Glycine max* L.) LEA 4 proteins -- circular dichroism and Fourier transform infrared studies/ M.-D. Shih, T.-Y. Hsieh, T.-P. Lin, Y.-I.C. Hsing, F.A. Hoekstra.

South African Journal of Botany, v. 73, Issue 3, , July 2007, Pages 497-498.

Dinitro-o-cresol induces apoptosis-like cell death but not alternative oxidase expression in soybean cells/ Marcia M. Aranha, Ana R. Matos, Ana Teresa Mendes, Vera Vaz Pinto, Cecilia M.P. Rodrigues, Joao D. Arrabaca.

Journal of Plant Physiology, v. 164, Issue 6, , 4 June 2007, Pages 675-684.

Keywords : Alternative oxidase; DNOC; Glycine max; Programmed cell death

Uniconazole-induced tolerance of soybean to water deficit stress in relation to changes in photosynthesis, hormones and antioxidant system/ Mingcai Zhang, Liusheng Duan, Xiaoli Tian, Zhongpei He, Jianmin Li, Baomin Wang, Zhaohu Li.

Journal of Plant Physiology, Volume 164, Issue 6, , 4 June 2007, Pages 709-717.

Keywords : Antioxidant enzymes; Endogenous hormone; Glycine max; Photosynthetic rate; Seed yield; Uniconazole; Water deficit stress

Proteomic and genomic characterization of Kunitz trypsin inhibitors in wild and cultivated soybean genotypes/ Savithiry Natarajan, Chenping Xu, Hanhong Bae, Bryan A. Bailey.

Journal of Plant Physiology, Volume 164, Issue 6, , 4 June 2007, Pages 756-763.

Keywords : Allergen; Kunitz trypsin inhibitors; Proteomics; Soybean seeds; Two-dimensional polyacrylamide gel electrophoresis

A cost-effective medium for the large-scale production of *Bacillus sphaericus* H5a5b (VCRC B42) for mosquito control/ G. Prabakaran, K. Balaraman, S.L. Hoti, A.M. Manonmani.

Biological Control, Volume 41, Issue 3, , June 2007, Pages 379-383.

Keywords : *Bacillus sphaericus*; *Culex quinquefasciatus*; Soybean medium; Toxicity; Mosquito

Foliar and root Cu supply affect differently Fe- and Zn-uptake and photosynthetic activity in soybean plants/ M. Bernal, R. Cases, R. Picorel, I. Yruela.

Environmental and Experimental Botany, Volume 60, Issue 2, , June 2007, Pages 145-150.

Keywords : Copper; Cell suspension; Iron; Plant; Photosynthesis; Soybean; Uptake; Zinc

Comparative study of gelation and cross-link formation during enzymatic texturisation of leguminous proteins/ Christian Schafer, Christian Zacherl, Karl-Heinz Engel, Sybille Neidhart, Reinhold Carle.

Innovative Food Science & Emerging Technologies, Volume 8, Issue 2, , June 2007, Pages 269-278.

Keywords : Texturised vegetable protein; Transglutaminase; Cross-linking; HPLC-MS; o-Phthaldialdehyde derivatisation; Texture analysis

Characteristics of wild blueberry-soy beverages/ R.M. Potter, M.P. Dougherty, W.A. Halteman, M.E. Camire.

LWT - Food Science and Technology, Volume 40, Issue 5, , June 2007, Pages 807-814.

Keywords : Blueberry; Soy; Beverage; Descriptive analysis; Hedonic

Dynamics of Microbial Activity Related to N Cycling in Cd-Contaminated Soil During Growth of Soybean/ Ye YANG, Ying-Xu CHEN, Guang-Ming TIAN, Zi-Jian ZHANG.

Pedosphere, Volume 17, Issue 3, , June 2007, Pages 383-388.

Keywords : cadmium; microbial activity; nitrogen cycle; rhizosphere

Proteomic and genetic analysis of glycinin subunits of sixteen soybean genotypes/ Savithiry Natarajan, Chenping Xu, Hanhong Bae, Bryan A. Bailey, Perry Cregan, Thomas J. Caperna, Wesley M. Garrett, Devanand Luthria.

Plant Physiology and Biochemistry, Volume 45, Issues 6-7, , June-July 2007, Pages 436-444.

Keywords : Soybean; G. soja; G. max; 2D-PAGE; MALDI-TOF-MS; LC-MS/MS; Glycinin

Physiological effects of azetidine on cellular leakage in soybean seedlings/ Ching-Hui Yeh, Shaw-Jye Wu, Yin-Fei Tsai, Huai-Yi Chen, Chu-Yung Lin.

Plant Science, Volume 172, Issue 6, , June 2007, Pages 1124-1130.

Keywords : Amino acid analog; Azetidine-2-carboxylic acid; Chaperone activity; Electrolyte leakage; Small heat shock proteins

Long-term farmyard manure application effects on properties of a silty clay loam soil under irrigated wheat-soybean rotation/ Ranjan Bhattacharyya, S. Chandra, R.D. Singh, S. Kundu, A.K. Srivastva, H.S. Gupta.

Soil and Tillage Research, Volume 94, Issue 2, , June 2007, Pages 386-396.

Keywords : Soil organic C; Aggregate stability; C contents in aggregates; Farmyard manure; Bulk density; Infiltration rate; Wheat-soybean cropping

Long-term fertilization, manure and liming effects on soil organic matter and crop yields/ M.C. Manna, A. Swarup, R.H. Wanjari, B. Mishra, D.K. Shahi.

Soil and Tillage Research, Volume 94, Issue 2, , June 2007, Pages 397-409.

Keywords : Soil aggregates; Soil organic C; Microbial biomass C; Particulate organic matter; Humic acid; Manure; Fertilizer

Depth distribution of soil organic C and N after long-term soybean cropping in Texas/ Fugen Dou, Alan L. Wright, Frank M. Hons.

Soil and Tillage Research, Volume 94, Issue 2, , June 2007, Pages 530-536.

Keywords : Carbon sequestration; Dissolved organic C; Soil organic matter; Tillage

Effect of seasonal water stress on soybean and site specific evaluation of CROPGRO-Soybean model under semi-arid climatic conditions/ Ergun Dogan, Halil Kirnak, Osman Copur.

Agricultural Water Management, Volume 90, Issues 1-2, , 24 May 2007, Pages 56-62.

Keywords : Deficit irrigation; Soybean; CROPGRO-Soybean; Semi-arid climatic conditions

Molecular cloning and characterization of an arginine decarboxylase gene up-regulated by chilling stress in rice seedlings/ Takashi Akiyama, Shigeki Jin.

Journal of Plant Physiology, Volume 164, Issue 5, , 3 May 2007, Pages 645-654.

Keywords : Arginine decarboxylase; cDNA cloning; Chilling stress; Putrescine biosynthesis; Rice seedlings

Study on Quality Improvement Effect and Separate Character of Soybean Male Sterile (MS1) Recurrent Selection Population/ Shuang-jin ZHAO, Meng-chen ZHANG, Chun-zhi JIANG, Chun-yan YANG, Bing-qiang LIU, Jue CUI.

Agricultural Sciences in China, Volume 6, Issue 5, , May 2007, Pages 545-551.

Keywords : soybean; recurrent selection population; msl gene; quality improvement segregating characteristics

Soybean yields and soil water status in Argentina: Simulation analysis/ T.R. Sinclair, L.R. Salado-Navarro, Graciela Salas, L.C. Purcell.

Agricultural Systems, Volume 94, Issue 2, , May 2007, Pages 471-477.

Keywords : Soybean; Soil water content; Soil evaporation; Water table; Water-deficit

Impacts of earthworms on soil nutrients and plant growth in soybean and maize agroecosystems/ Nikita S. Eriksen-Hamel, Joann K. Whalen.

Agriculture, Ecosystems & Environment, Volume 120, Issues 2-4, , May 2007, Pages 442-448.

Keywords : Earthworms; Population manipulation; Field enclosures; Soil nutrient dynamics

The role of chitosan in protection of soybean from sudden death syndrome caused by *Fusarium solani* f. sp. *Glycines*/ Benjaphorn Prapagdee, Kanignun Kotchadat, Acharaporn Kumsopa, Niphon Visarathanonth.

Bioresource Technology, Volume 98, Issue 7, , May 2007, Pages 1353-1358.

Keywords : Fusarium solani; Chitosan; Sudden death syndrome; Soybean

Production of yogurt with enhanced levels of gamma-aminobutyric acid and valuable nutrients using lactic acid bacteria and germinated soybean extract/ Ki-Bum Park, Suk-Heung Oh.

Bioresource Technology, Volume 98, Issue 8, , May 2007, Pages 1675-1679.

Keywords : Gamma-aminobutyric acid (GABA); Germinated soybean; Isoflavones; Lactobacillus brevis; Yogurt

Effects of carbon dioxide, temperature and ultraviolet-B radiation and their interactions on soybean (*Glycine max* L.) growth and development/ Sailaja Koti, K. Raja Reddy, V.G. Kakani, D. Zhao, W. Gao.

Environmental and Experimental Botany, Volume 60, Issue 1, , May 2007, Pages 1-10.

Keywords : Carbon dioxide; Growth; Physiology; Soybean; Temperature; Ultraviolet-B radiation

Potential changes in weed competitiveness in an agroecological system with elevated temperatures/ Kimberly D. Tungate, Daniel W. Israel, Dorothy M. Watson, Thomas W. Rufty.

Environmental and Experimental Botany, Volume 60, Issue 1, , May 2007, Pages 42-49.

Keywords : Global climate change; Global warming; Temperature response; Weeds; Phenotypic plasticity; Root:shoot ratio; Arbuscular mycorrhiza; N₂-fixation

Nested PCR detection of genetically modified soybean in soybean flour, infant formula and soymilk/ Fabio Cristiano Angonesi Brod, Cibele dos Santos Ferrari, Luciana Lehmkuhl Valente, Ana Carolina Maisonnave Arisi, *LWT - Food Science and Technology*, Volume 40, Issue 4, , May 2007, Pages 748-751.

Keywords : Roundup Ready(TM) soybean; Qualitative PCR; GMO

Recovering from iron deficiency chlorosis in near-isogenic soybeans: A microarray study/ Jamie A. O'Rourke, Michelle A. Graham, Lila Vodkin, Delkin Orlando Gonzalez, Silvia R. Cianzio, Randy C. Shoemaker.

Plant Physiology and Biochemistry, Volume 45, Issue 5, , Iron nutrition and Interactions in Plants, XIII, International Symposium on Iron Nutrition and Interactions in Plants (ISINIP), May 2007, Pages 287-292.

Keywords : Iron deficiency chlorosis (IDC); Microarray; Hydroponics; Soybean; Real time PCR (RT-PCR)

Iron role in oxidative metabolism of soybean axes upon growth: Effect of iron overload/ Elizabeth Robello, Andrea Galatro, Susana Puntarulo.

Plant Science, Volume 172, Issue 5, , May 2007, Pages 939-947.

Keywords : Soybean axes; Iron overload; Oxidative stress; Ferritin

Phosphorus, potassium and organic carbon concentrations in runoff water and sediments under different soil tillage systems during soybean growth/ I. Bertol, F.L. Engel, A.L. Mafra, O.J. Bertol, S.R. Ritter.

Soil and Tillage Research, Volume 94, Issue 1, , May 2007, Pages 142-150.

Keywords : Water erosion; Nutrient losses; Residue burning

Effects of *Aspergillus oryzae* 3.042 fermented soybean meal on growth performance and plasma biochemical parameters in broilers/ J. Feng, X. Liu, Z.R. Xu, Y.Y. Liu, Y.P. Lu.

Animal Feed Science and Technology, Volume 134, Issues 3-4, , 2 April 2007, Pages 235-242.

Keywords : Fermentation; Soybean meal; Growth performance; Plasma biochemical parameter; Broiler

Effects of enzyme inclusion in a maize-soybean diet on broiler performance/ B. Yu, S.T. Wu, C.C. Liu, Robert Gauthier, Peter W.S. Chiou.

Animal Feed Science and Technology, Volume 134, Issues 3-4, , 2 April 2007, Pages 283-294.

Keywords : Broiler; Maize; Digestibility; Protease; Soybean meal

The effect of *Aspergillus oryzae* fermented soybean meal on growth performance, digestibility of dietary components and activities of intestinal enzymes in weaned piglets/ J. Feng, X. Liu, Z.R. Xu, Y.P. Lu, Y.Y. Liu.

Animal Feed Science and Technology, Volume 134, Issues 3-4, , 2 April 2007, Pages 295-303.

Keywords : Aspergillus oryzae; Fermentation; Soybean meal; Digestibility; Activities of intestinal enzymes; Piglets

Comparison of laboratory analytical values and in vivo soybean meal quality on pigs by employing soyflakes heat-treated under different conditions/ H.S. Lee, J.G. Kim, Y.W. Shin, Y.H. Park, S.K. You, S.H. Kim, K.Y. Whang. *Anim. Feed Sci. and Tech.*, v. 134, Issues 3-4, 2 April 2007, Pages 337-346.

Keywords : Soybean meal; Heat-treatment; Laboratory analytical value; Pig; Growth performance

QTL Analysis of Major Agronomic Traits in Soybean/ Qing-shan CHEN, Zhong-chen ZHANG, Chun-yan LIU, Da-wei XIN, Hong-mei QIU, Da-peng SHAN, Cai-yun SHAN, Guo-hua HU.

Agricultural Sciences in China, v. 6, Issue 4, , April 2007, Pages 399-405.

Keywords : soybean; agronomic traits; QTL; SSR

Emission of ethylene oxide during frying of foods in soybean oil/ Jiune-Shyong Lin, Karl T. Chuang, Mao-Sun Huang, Kuo-Ming Wei.

Food and Chemical Toxicology, v. 45, Issue 4, , April 2007, Pages 568-574.

Keywords : Ethylene oxide; Acetaldehyde; Soybean oil; Fried foods; Lung cancer; Taiwan

Inoculation with Phosphate-Solubilizing Fungi Diversifies the Bacterial Community in Rhizospheres of Maize and Soybean/ Guang-Hua WANG, Jian JIN, Mei-Na XU, Xiang-Wen PAN, C. TANG.

Pedosphere, Volume 17, Issue 2, , April 2007, Pages 191-199.

Keywords : bacterial community; diversity; PCR-DGGE; phosphate-solubilizing fungus; rhizosphere

Distribution of fatty acids and effect of chemically treated ground, full-fat soybean supplements on tocopherols concentrations in crossbred (Dorset x Suffolk) lambs/ J.H. Lee, J.C. Waller, S.L. Melton.

Small Ruminant Research, Volume 68, Issue 3, , April 2007, Pages 269-278.

Keywords : Soybean; [alpha]-Tocopherol; [gamma]-Tocopherol; Sites of fat depots; Lamb

Water transmission characteristics of a Vertisol and water use efficiency of rainfed soybean (*Glycine max* (L.) Merr.) under subsoiling and manuring/ M. Mohanty, K.K. Bandyopadhyay, D.K. Painuli, P.K. Ghosh, A.K. Misra
Soil and Tillage Research, Volume 93, Issue 2, , April 2007, Pages 420-428.

Keywords : Soybean; Subsoiling; Root length density; Water storage; Infiltration rate; Water use efficiency; Yield

Biochemical changes in soybean root nodules during development and senescence effects of dark chilling/M. De Beer, G.H.J. Kruger, P.D.R. Van Heerden.

South African Journal of Botany, v. 73, Issue 2, , April 2007, Pages 284-285.

The effect of dark-chilling on the rate of photosynthesis in soybean/ P.W. Mokwala, P.D.R. Van Heerden, G. Kiddle, U.R. Schluter, C.H. Foyer.

South African Journal of Botany, Volume 73, Issue 2, , April 2007, Page 303.

Effect of water stress at different stages of growth on stomata complex, tolerance and yield of two cultivars of *Glycine max* L./ Merrill, F.B. Adejare, C.E. Umebese.

South African Journal of Botany, Volume 73, Issue 2, , April 2007, Page 323.

Dark chilling lowers the content and catabolism of ureides in soybean leaves: Long-term effects on nitrogen status and vegetative growth/ D.J. Mellet, M. De Beer, A.J. Strauss, G.H.J. Kruger, P.D.R. Van Heerden.

South African Journal of Botany, Volume 73, Issue 2, , April 2007, Page 331.

Prolongation of soybean (*Glycine max* (L.) Merr.) nodule lifespan under drought stress/ U. Schluter, A. Mashamba, K.J. Kunert.

South African Journal of Botany, Volume 73, Issue 2, , April 2007, Page 335.

Effects of dark chilling on components of Calvin cycle metabolism in soybean genotypes of contrasting chilling tolerance/A.J. Strauss, P.D.R. Van Heerden, G.H.J. Kruger.

South African Journal of Botany, Volume 73, Issue 2, , April 2007, Pages 337-338.

Insect-mediated cross-pollination in soybean [*Glycine max* (L.) Merrill]: I. Agronomic performance/ E. Ortiz-Perez, S.R. Cianzio, H. Wiley, H.T. Horner, W.H. Davis, R.G. Palmer.

Field Crops Research, Volume 101, Issue 3, , 15 March 2007, Pages 259-268.

Keywords : Grain yield; Heterosis; Male sterility; Soybean

Simulated yield advantages of extending post-flowering development at the expense of a shorter pre-flowering development in soybean/ Adriana G. Kantolic, Jorge L. Mercau, Gustavo A. Slafer, Victor O. Sadras.

Field Crops Research, Volume 101, Issue 3, , 15 March 2007, Pages 321-330.

Keywords : Soybean; Glycine max; Simulation; Phenology; Post-flowering duration; Yield

Intake, whole tract digestibility, milk production, and milk composition of Holstein cows fed extruded soybeans treated with or without lignosulfonate/ C.A. Neves, G.T. Santos, M. Matsushita, E.M. Alves, R.L. Oliveira, A.F. Branco, D.C. Silva, A.C. Furlan, H.V. Petit.

Animal Feed Science and Technology, Volume 134, Issues 1-2, , 1 March 2007, Pages 32-44.

Keywords : Extrusion; Soybean; CLA; Digestibility; Lignosulfonate

Effects of gamma irradiation on protein degradation of soybean meal in the rumen/ P. Shawrang, A. Nikkhah, A. Zare-Shahneh, A.A. Sadeghi, G. Raisali, M. Moradi-Shahrehabak.

Animal Feed Science and Technology, Volume 134, Issues 1-2, , 1 March 2007, Pages 140-151.

Keywords : Soybean meal; Gamma irradiation; Protein degradability; In sacco; SDS-PAGE

Effects of tillage and fertilizer on nematode communities in a Japanese soybean field/ H. Okada, H. Harada.

Applied Soil Ecology, Volume 35, Issue 3, , March 2007, Pages 582-598.

Keywords : Density; Diversity; Fertilizer; Nematode community index; Soil property; Tillage

Life history characteristics of *Orius insidiosus* (Say) fed diets of soybean aphid, *Aphis glycines* Matsumura and soybean thrips, *Neohydatothrips variabilis* (Beach)/ Casey D. Butler, Robert J. O'Neil.

Biological Control, Volume 40, Issue 3, , March 2007, Pages 339-346.

Keywords : Orius insidiosus; Soybean thrips; Soybean aphid; Predation; Biological control; Alternative prey; Life history

Effect of composted textile sludge on growth, nodulation and nitrogen fixation of soybean and cowpea/ A.S.F. Araujo, R.T.R. Monteiro, E.M.S. Carvalho.

Bioresource Technology, v. 98, Issue 5, , March 2007, Pages 1028-1032.

Keywords : Industrial wastes; Nitrogen fertilization; Symbiosis; Glutamine synthetase

Soybean oil methyl esters preparation using NaX zeolites loaded with KOH as a heterogeneous catalyst/ Wenlei Xie, Xiaoming Huang, Haitao Li.

Bioresource Technology, Volume 98, Issue 4, , March 2007, Pages 936-939.

Keywords : Fatty acids methyl esters; Heterogeneous catalyst; Transesterification; Biodiesel; KOH loading; NaX zeolites

Transpiration response of *Arabidopsis*, maize, and soybean to drying of artificial and mineral soil/ Ammar Wahbi, Thomas R. Sinclair.

Environmental and Experimental Botany Volume 59, Issue 2, , March 2007, Pages 188-192.

Keywords : Water-deficit stress; Transpiration; Maize; Soybean; Arabidopsis

Expression of the sucrose binding protein from soybean: Renaturation and stability of the recombinant protein/ Carolina S. Rocha, Dirce F. Luz, Marli L. Oliveira, Maria C. Baracat-Pereira, Francisco Javier Medrano, Elizabeth P.B. Fontes.

Phytochemistry, Volume 68, Issue 6, , March 2007, Pages 802-810.

Keywords : Glycine max; Soybean; Legumes; Heterologous expression; Protein renaturation; Cupin structure; Sucrose binding protein

Isolation and characterization of glyphosate-regulated genes in soybean seedlings/ Wancong Yu, Rui Zhang, Runzhi Li, Sandui Guo.

Plant Science, Volume 172, Issue 3, , March 2007, Pages 497-504.

Keywords : Transcriptome differential analysis; Glyphosate-inducible genes; Soybean

Rapid effect of cadmium on lignin biosynthesis in soybean roots/ Yu-Jane Yang, Li-Ming Cheng, Zin-Huang Liu.

Plant Science, Volume 172, Issue 3, , March 2007, Pages 632-639.

Keywords : Glycine max; Cadmium; Hydrogen peroxide; Laccase; Lignin; Peroxidase

Soybean yield and biomass responses to cumulative transpiration: Questioning widely held beliefs/ Larry C. Purcell, Jeffrey T. Edwards, Kristofor R. Brye.

Field Crops Research, Volume 101, Issue 1, , 20 February 2007, Pages 10-18.

Keywords : Evapotranspiration; Harvest index; Vapor pressure deficit

Modelling management strategies for wheat-soybean double crops in the south-eastern/ Pampas, J.P. Monzon, V.O. Sadras, P.A. Abbate, O.P. Caviglia.

Field Crops Research, Volume 101, Issue 1, , 20 February 2007, Pages 44-52.

Keywords : Climate change; Flowering; Phenology; Temperature; Southern Oscillation Index; Frost; Risk

Drought tolerance and yield increase of soybean resulting from improved symbiotic N₂ fixation/ Thomas R. Sinclair, Larry C. Purcell, C. Andy King, Clay H. Sneller, Pengyin Chen, Vincent Vadez.

Field Crops Research, Volume 101, Issue 1, , 20 February 2007, Pages 68-71.

Keywords : Drought; Nitrogen fixation; Soybean; Yield increase

Altering the bed depth in the desolventizer/toaster (DT) used in soybean meal preparation affects protein quality and amino acid digestibility by cecectomized roosters/ L.L. Pope, L.K. Karr-Lilienthal, P.L. Utterback, K.J. Bruce, N.R. Merchen, C.M. Parsons, G.C. Fahey Jr.

Animal Feed Science and Technology, Volume 133, Issues 3-4, , 15 February 2007, Pages 275-285.

Keywords : Cecectomized roosters; Digestibility; Soybean meal; Soybean meal processing

Correlation Between Antioxidation and the Content of Total Phenolics and Anthocyanin in Black Soybean Accessions/ XU Jin-rui, ZHANG Ming-wei, LIU Xing-hua, LIU Zhang-xiong, ZHANG Rui-fen, SUN Ling, QIU Li-juan. *Agricultural Sciences in China*, Volume 6, Issue 2, , February 2007, Pages 150-158.

Keywords : seed coat of black soybean; antioxidation; total phenolics content; anthocyanin content; correlation

Analyzing the effects of climate variability on spatial pattern of yield in a maize-wheat-soybean rotation/ Bruno Basso, Matteo Bertocco, Luigi Sartori, Edward C. Martin.

European Journal of Agronomy, Volume 26, Issue 2, , February 2007, Pages 82-91.

Keywords : Crop simulation model; Maize; Management zones; Soybean; Yield spatial variability; Yield temporal stability; Wheat

Phosphorus management in low input stockless cropping systems: Crop and soil responses to contrasting P regimes in a 36-year experiment in southern France/ B. Colomb, P. Debaeke, C. Jouany, J.M. Nolot.

European Journal of Agronomy, Volume 26, Issue 2, , February 2007, Pages 154-165.

Keywords : Phosphorus; Long-term experiment; Low input cropping system; Soil-test phosphorus; Olsen-P critical value; P removal; Grain phosphorus concentration; Triticum aestivum L.; Zea mais L.; Helianthus annuus L.; Sorghum bicolor L.; Glycine max. L

Predicting on-farm soybean yields in the pampas using CROPGRO-soybean/ J.L. Mercau, J.L. Dardanelli, D.J. Collino, J.M. Andriani, A. Irigoyen, E.H. Satorre.

Field Crops Research, v. 100, Issues 2-3, , 1 February 2007, Pages 200-209.

Keywords : Soybean; Crop simulation; Water stress; CROPGRO; On-farm evaluation

Understanding and modeling the effect of temperature and daylength on soybean phenology under high-yield conditions/ T.D. Setiyono, A. Weiss, J. Specht, A.M. Bastidas, K.G. Cassman, A. Dobermann.
Field Crops Research, Volume 100, Issues 2-3, , 1 February 2007, Pages 257-271.

Keywords : Soybean; Glycine max; Phenology; Temperature; Photoperiod; Flowering; Maturity; Beta function; Simulation; Modeling

Supernatant of bacterial fermented soybean induces apoptosis of human hepatocellular carcinoma Hep 3B cells via activation of caspase 8 and mitochondria/ Chun-Li Su, Chao-Jung Wu, Fang-Nan Chen, Be-Jen Wang, Shane-Rong Sheu, Shen-Jeu Won.
Food and Chemical Toxicology, Volume 45, Issue 2, , February 2007, Pages 303-314.

Keywords : Fermented soybean; Apoptosis; Mitochondria; Caspases; Cyclooxygenase

Production of new soy-based polyols by enzyme hydrolysis of bodied soybean oil/ Pim-pahn Kiatsimkul, Galen J. Suppes, William R. Sutterlin,
Industrial Crops and Products, v. 25, Issue 2, February 2007, Pages 202-209.

Keywords : Polyol; Polyurethane; Bodied soybean oil; Enzyme; Hydrolysis

Toxicity of *Bacillus thuringiensis* [δ]-endotoxins against bean shoot borer (*Epinotia aporema* Wals.) larvae, a major soybean pest in Argentina/ Diego H. Sauka, Jorge Sanchez, Alejandra Bravo, Graciela B. Benintende.
Journal of Invertebrate Pathology, Volume 94, Issue 2, , February 2007, Pages 125-129.

Keywords : Bacillus thuringiensis; Epinotia aporema; Cry proteins

Nodule Formation and Development in Soybeans (*Glycine max* L.) in Response to Phosphorus Supply in Solution Culture/ Shu-Jie MIAO, Yun-Fa QIAO, Xiao-Zeng HAN, M. AN.
Pedosphere, Volume 17, Issue 1, , February 2007, Pages 36-43.

Keywords : inoculation level; nitrogen fixation; nodulation; phosphorus; soybeans

Production of volatile compounds by *Rhizopus oligosporus* during soybean and barley tempeh fermentation/ Xin Mei Feng, Thomas Ostenfeld Larsen, Johan Schnurer.

International Journal of Food Microbiology, Volume 113, Issue 2, , 25 January 2007, Pages 133-141.

Keywords : Rhizopus oligosporus; Lactobacillus plantarum; Volatile compounds; Gas chromatography (GC); Mass spectrometry (MS); Tempeh; Aroma; Odour

Population size, distribution, and symbiotic characteristics of indigenous *Bradyrhizobium* spp. that nodulate TGx soybean genotypes in Africa/ R.C. Abaidoo, H.H. Keyser, P.W. Singleton, K.E. Dashiell, N. Sanginga.

Applied Soil Ecology, Volume 35, Issue 1, , January 2007, Pages 57-67.

Keywords : Bradyrhizobium; BNF; N₂ fixation; Nodulation; Population size and distribution; TGx soybean genotypes

Protein quality and identification of the storage protein subunits of tofu and null soybean genotypes, using amino acid analysis, one- and two-dimensional gel electrophoresis, and tandem mass spectrometry/ Constantinos G. Zarkadas, Christine Gagnon, Vaino Poysa, Shahrokh Khanizadeh, Elroy R. Cober, Victoria Chang, Stephen Gleddie.

Food Research International, v. 40, Issue 1, , January 2007, Pages 111-128.

Keywords : Tofu and null soybeans; Amino acids composition; Protein quality; Soybean proteome; Glycinin; [beta]-Conglycinin; Peptide mass fingerprinting; Tandem mass spectrometry

Assessment of the protein quality of fourteen soybean [*Glycine max* (L.) Merr.] cultivars using amino acid analysis and two-dimensional electrophoresis/ Constantinos G. Zarkadas, Christine Gagnon, Stephen Gleddie, Shahrokh Khanizadeh, Elroy R. Cober, Ron J.D. Guillemette.

Food Research International, Volume 40, Issue 1, , January 2007, Pages 129-146.

Keywords : Soybean proteins; Amino acid composition; Amino acid score; Protein quality; Soybean proteome; Glycinin/[beta]-conglycinin ratio

Microwave irradiation effects on the structure, viscosity, thermal properties and lubricity of soybean oil/ Atanu Biswas, Atanu Adhvaryu, David G. Stevenson, Brajendra K. Sharma, J.L. Willet, Sevim Z. Erhan.

Industrial Crops and Products, v. 25, Issue 1, , January 2007, Pages 1-7.

Keywords : Soybean oil; Microwave irradiation; Structure; Viscosity; Pour point; Lubricant; Oxidative stability

Carbon sequestration and relationship between carbon addition and storage under rainfed soybean-wheat rotation in a sandy loam soil of the Indian Himalayas/ S. Kundu, Ranjan Bhattacharyya, Ved Prakash, B.N. Ghosh, H.S. Gupta.

Soil and Tillage Research, v. 92, Issues 1-2, , January 2007, Pages 87-95.

Keywords : Carbon sequestration; Carbon addition and storage; Farmyard manure; Soybean-wheat cropping; Sandy loam soil; Sub-temperate Indian Himalayas

BIBLIOGRAFI 2008

PROQUEST

Milk yield, milk composition, eating behavior, and lamb performance of ewes fed diets containing soybean hulls replacing coastcross (*Cynodon* species) hay^{1,2}/R C Araujo, A V Pires, I Susin, C Q Mendes, et al.

Journal of Animal Science. Savoy: Dec 2008. Vol. 86, Iss. 12; p. 3511 (11 p)

CASE STUDY: Reproductive Performance of Beef Cows Fed Whole Soybeans Before the Breeding Interval/N M Long, G M Hill, J F Baker, W M Graves, et al.

Professional Animal Scientist. Champaign: Dec 2008. Vol. 24, Iss. 6; p. 639 (9 pages)

The Substitution of Corn with Soybean Hulls and Subsequent Impact on Digestibility of a Forage-Based Diet Offered to Beef Cattle¹/A I Orr, J C Henley, B J Rude.

Professional Animal Scientist. Champaign: Dec 2008. Vol. 24, Iss. 6; p. 566 (6 pages)

Drought-Hardy Soybean Lines Show Their Stamina/Rosalie Marion Bliss.

Agric. Research. Washington: Nov/Dec 2008. Vol. 56, Iss. 10; p. 14 (2 p)

Isoleucine and valine supplementation of a low-protein corn-wheat-soybean meal-based diet for piglets: Growth performance and nitrogen balance¹/M M Lordelo, A M Gaspar, L Le Bellego, J P B Freire.

Journal of Animal Science. Savoy: Nov 2008. Vol. 86, Iss. 11; p. 2936 (6 p)

Performance and Physiology of Steers Following Grazing of Toxic Tall Fescue as Influenced by Feeding Soybean Hulls on Pasture and Postgraze Steroid Implantation¹/G E Aiken, L K McClanahan, B H Kirch, F N Schrick.

Professional Animal Scientist. Champaign: Oct 2008. Vol. 24, Iss. 5; p. 392 (7 pages)

Steer Responses to Feeding Soybean Hulls on Toxic Tall Fescue Pasture1/G E Aiken, L K McClanahan, F N Schrick.

Professional Animal Scientist. Champaign: Oct 2008. Vol. 24, Iss. 5; p. 399 (5 pages)

Stearidonic Acid-Enriched Soybean Oil Increased the Omega-3 Index, an Emerging Cardiovascular Risk Marker/William S Harris, Shawna L Lemke, Susan N Hansen, Daniel A Goldstein, et al.

Lipids. Champaign: Sep 2008. Vol. 43, Iss. 9; p. 805 (7 pages)

Effect of dietary soybean oil and soybean protein concentration on the concentration of digestible amino acids in soybean products fed to growing pigs1/S K Cervantes-Pahm, H H Stein.

Journal of Animal Science. Savoy: Aug 2008. Vol. 86, Iss. 8; p. 1841 (9 p)

Whole soybean supplementation and cow age class: Effects on intake, digestion, performance, and reproduction of beef cows1/J P Banta, D L Lalman, C R Krehbiel, R P Wettemann.

Journal of Animal Science. Savoy: Aug 2008. Vol. 86, Iss. 8; p. 1868 (11 p)

Optimizing the Length of Feeding an Elevated Level of Dried Distillers Grains plus Solubles-Soybean Hull Diet to Feedlot Cattle/J W Homm, L L Berger, L A Forster Jr, T G Nash.

Professional Animal Scientist. Champaign: Aug 2008. Vol. 24, Iss. 4; p. 328 (6 pages)

Evaluation of Compost for Use as a Soil Amendment in Corn and Soybean Production/K D Smiciklas, P M Walker, T R Kelley.

Compost Science & Utilization. Emmaus: Summer 2008. Vol. 16, Iss. 3; p. 183 (9 pages)

Inhalable Dust and Protein Exposure in Soybean Processing Plants/Adri Spies, David Rees, Anna M Fourie, Kerry S Wilson, et al.

International Journal of Occupational and Environmental Health. Philadelphia: Jul-Sep 2008. Vol. 14, Iss. 3; p. 225 (6 pages)

Conjugated linoleic acid content in adipose tissue of calves suckling beef cows on pasture and supplemented with raw or extruded soybeans^{1,2}/C Paradis, R Berthiaume, C Lafrenière, R Gervais, P Y Chouinard.

Journal of Animal Science. Savoy: Jul 2008. Vol. 86, Iss. 7; p. 1624 (13 p)

Effect of dried corn distillers grains plus solubles compared with soybean hulls, in late gestation heifer diets, on animal and reproductive performance¹/C L Engel, H H Patterson, G A Perry.

Journal of Animal Science. Savoy: Jul 2008. Vol. 86, Iss. 7; p. 1697 (12 p)

RXLR-Mediated Entry of *Phytophthora sojae* Effector Avr1b into Soybean Cells Does Not Require Pathogen-Encoded Machinery(W)/Daolong Dou, Shiv D Kale, Xia Wang, Rays H Y Jiang, et al.

Plant Cell. Rockville: Jul 2008. Vol. 20, Iss. 7; p. 1930 (19 pages)

Naphthoquinone-Dependent Generation of Superoxide Radicals by Quinone Reductase Isolated from the Plasma Membrane of Soybean[W]/Peter Schopfer, Eiri Heyno, Friedel Drepper, Anja Krieger-Liszkay.

Plant Physiology. Rockville: Jun 2008. Vol. 147, Iss. 2; p. 864 (15 pages)

Impact of Alternative Energy Systems on the Estimated Feed Requirements of Pigs with Varying Lean and Fat Tissue Growth Rates When Fed Corn and Soybean Meal-Based Diets/A P Schinckel, D C Mahan, T G Wiseman, M E Einstein.

Professional Animal Scientist. Champaign: Jun 2008. Vol. 24, Iss. 3; p. 198 (10 pages)

Effect of Substitution of High Stearic Low Linolenic Acid Soybean Oil for Hydrogenated Soybean Oil on Fatty Acid Intake/Maureen A DiRienzo, Shawna L Lemke, Barbara J Petersen, Kim M Smith.

Lipids. Champaign: May 2008. Vol. 43, Iss. 5; p. 451 (6 pages)

Effect of low doses of *Aspergillus niger* phytase on growth performance, bone strength, and nutrient absorption and excretion by growing and finishing swine fed corn-soybean meal diets deficient in available phosphorus and calcium¹/ L Veum, M R Ellersieck.

Journal of Animal Science. Savoy: Apr 2008. Vol. 86, Iss. 4; p. 858 (13 pages)

The MADS-Domain Transcriptional Regulator AGAMOUS-LIKE15 Promotes Somatic Embryo Development in Arabidopsis and Soybean1[OA]/Dhiraj Thakare, Weining Tang, Kristine Hill, Sharyn E Perry. *Plant Physiology. Rockville: Apr 2008. Vol. 146, Iss. 4; p. 1663 (10 pages)*

Caco-2 Intestinal Epithelial Cells Absorb Soybean Ferritin by $\mu^{\text{sub } 2^{\text{^}}}$ (AP2)-Dependent Endocytosis1,2/Carol D San Martin, Carolina Garri, Fernando Pizarro, Tomas Walter, et al. *The Journal of Nutrition. Bethesda: Apr 2008. Vol. 138, Iss. 4; p. 659 (8 p)*

Influence of Housing System, Grain Type, and Particle Size on Salmonella Colonization and Shedding of Broilers Fed Triticale or Corn-Soybean Meal Diets1/F B O Santos, B W Sheldon, A A Santos Jr, P R Ferket. *Poultry Science. Savoy: Mar 2008. Vol. 87, Iss. 3; p. 405 (16 pages)*

Nonstarch Polysaccharide Hydrolysis Products of Soybean and Canola Meal Protect against Enterotoxigenic Escherichia coli in Piglets1-3/Elijah G Kiarie, Bogdan A Slominski, Denis O Krause, Charles M Nyachoti. *The Journal of Nutrition. Bethesda: Mar 2008. Vol. 138, Iss. 3; p. 502 (7 p)*

Utilization of soybeans or corn milling by-products in beef heifer development diets1,2/H L Harris, A S Cupp, A J Roberts, R N Funston. *Journal of Animal Science. Savoy: Feb 2008. Vol. 86, Iss. 2; p. 476 (7 pages)*

Identification, Biochemical Characterization, and Subcellular Localization of Allantoate Amidohydrolases from Arabidopsis and Soybean1[W]/Andrea K Werner, Imogen A Sparkes, Tina Romeis, Claus-Peter Witte. *Plant Physiology. Rockville: Feb 2008. Vol. 146, Iss. 2; p. 418 (13 pages)*

Quantitative Conversion of Phytate to Inorganic Phosphorus in Soybean Seeds Expressing a Bacterial Phytase1[OA]/Kristin D Bilyeu, Peiyu Zeng, Patricia Coello, Zhanyuan J Zhang, et al. *Plant Physiology. Rockville: Feb 2008. Vol. 146, Iss. 2; p. 468 (10 pages)*

Assessment of the Nitrogen Correction Factor in Evaluating Metabolizable Energy of Corn and Soybean Meal in Diets for Broilers/G Lopez, S Leeson. *Poultry Science. Savoy: Feb 2008. Vol. 87, Iss. 2; p. 298 (9 pages)*

Evaluation of secondary protein nutrients as a substitute for soybean meal in diets for beef steers and meat goats/S R Freeman, M H Poore, G B Huntington, T F Middleton.

Journal of Animal Science. Savoy: Jan 2008. Vol. 86, Iss. 1; p. 146 (13 pages)

SCIENCE DIRECT

Comparative study of DNA extraction methods for soybean derived food products/ Isabel Mafra, Susana A. Silva, Elsa J.M.O. Moreira, Carla S. Ferreira da Silva, M. Beatriz, P.P. Oliveira

Food Control, Volume 19, Issue 12, , December 2008, Pages 1183-1190.

Keywords : DNA extraction; Soybean; Food products; PCR; GMO detection

Effects of some anionic polysaccharides on the gelatinization and retrogradation behaviors of wheat starch: Soybean-soluble polysaccharide and gum arabic/ Takahiro Funami, Makoto Nakauma, Sakie Noda, Sayaka Ishihara, Iwao Asai, Naoyoshi Inouchi, Katsuyoshi Nishinari.

Food Hydrocolloids, Volume 22, Issue 8, , December 2008, Pages 1528-1540.

Keywords : Wheat starch; Soybean-soluble polysaccharide; Gum arabic; Gelatinization; Retrogradation

Effects of previous diet and duration of soybean oil supplementation on light lambs carcass composition, meat quality and fatty acid composition/ R.J.B. Bessa, M. Lourenco, P.V. Portugal, J. Santos-Silva.

Meat Science, Volume 80, Issue 4, , December 2008, Pages 1100-1105.

Keywords : Carcass composition; Conjugated linoleic acid; Fatty acids; Lamb; Meat quality; Dietary soybean oil

From forest to waste: Assessment of the Brazilian soybean chain, using nitrogen as a marker/ E.M.A. Smaling, R. Roscoe, J.P. Lesschen, A.F. Bouwman, E. Comunello.

Agriculture, Ecosystems & Environment, Volume 128, Issue 3, , November 2008, Pages 185-197.

Keywords : Soil fertility; Soybean; Soy meal; Nitrogen stocks and flows; Forest conversion; Conservation agriculture; Animal production; Human consumption; Waste; Brazil; China; European Union

The performance and phase separated characteristics of an anaerobic baffled reactor treating soybean protein processing wastewater/ Ge-Fu Zhu, Jian-Zheng Li, Peng Wu, Hui-Zheng Jin, Zheng Wang.

Bioresource Technology, v. 99, Issue 17, , November 2008, Pages 8027-8033.

Keywords : Anaerobic baffled reactor (ABR); Soybean protein processing wastewater; Performance; Phase separation; COD removal

Production of bio-ethanol from soybean molasses by *Saccharomyces cerevisiae* at laboratory, pilot and industrial scales/ Paula F. Siqueira, Susan G. Karp, Julio C. Carvalho, Wilerson Sturm, Jose A. Rodriguez-Leon, Jean-Luc Tholozan, Reeta Rani Singhania, Ashok Pandey, Carlos R. Soccol.

Bioresource Technology, v. 99, Issue 17, , November 2008, Pages 8156-8163.

Keywords : Soybean molasses; Bio-ethanol; Pilot scale; Industrial scale; Saccharomyces cerevisiae

Spray drying of the soybean extract: Effects on chemical properties and antioxidant activity/ Sandra Regina Georgetti, Rubia Casagrande, Claudia Regina Fernandes Souza, Wanderley Pereira Oliveira, Maria Jose Vieira Fonseca.

LWT - Food Science and Technology, Volume 41, Issue 8, , November 2008, Pages 1521-1527.

Keywords : Soybean extracts; Spray drying; Dried extract; Antioxidant activity

Effects of soybean oil and linseed oil on fatty acid compositions of muscle lipids and cooked pork flavour/ Ping Lu, Li Y. Zhang, Jing D. Yin, Amanda K.R. Everts, De F. Li.

Meat Science, Volume 80, Issue 3, , November 2008, Pages 910-918.

Keywords : Soybean oil; Linseed oil; Fatty acid composition; Volatile aroma components; Longissimus muscle; Biceps brachii muscle

Soluble carbohydrates in mature soybean seed after feeding d-chiro-inositol, myo-inositol, or d-pinitol to stem-leaf-pod explants of low-raffinose, low-stachyose lines/ Ralph L. Obendorf, Elizabeth M. Sensenig, Jennifer Wu, Minori Ohashi, Timothy E. O'Sullivan, Suzanne M. Kosina, Steven R. Schnebly.

Plant Science, Volume 175, Issue 5, , November 2008, Pages 650-655.

Keywords : Cyclitol; d-chiro-Inositol; myo-Inositol; d-pinitol; Soluble carbohydrates; [alpha]-Galactosides

Identification of differentially expressed genes in soybean seeds differing in oil content/ Wen-Hui Wei, Bo Chen, Xiao-Hong Yan, Li-Jun Wang, Hui-Fang Zhang, Jin-Peng Cheng, Xin-An Zhou, Ai-Hua Sha, Hong Shen.

Plant Science, Volume 175, Issue 5, , November 2008, Pages 663-673.

Keywords : Differentially expressed gene; Oil synthesis; Seed development; Suppression subtractive hybridization

Comparison of sugar beet pectin, soybean soluble polysaccharide, and gum arabic as food emulsifiers. 1. Effect of concentration, pH, and salts on the emulsifying properties/ Makoto Nakauma, Takahiro Funami, Sakie Noda, Sayaka Ishihara, Saphwan Al-Assaf, Katsuyoshi Nishinari, Glyn O. Phillips.

Food Hydrocolloids, Volume 22, Issue 7, , October 2008, Pages 1254-1267.

Keywords : Emulsifying properties; Sugar beet pectin; Soybean soluble polysaccharide; Gum arabic; Oil-in-water emulsions

Polymorphisms of IFS1 and IFS2 gene are associated with isoflavone concentrations in soybean seeds/ Hao Cheng, Oliver Yu, Deyue Yu.

Plant Science, Volume 175, Issue 4, , October 2008, Pages 505-512.

Keywords : Association analysis; Isoflavone synthase; Linkage disequilibrium; Isoflavone; Soybean

Identification of temporally and spatially phosphate-starvation responsive genes in *Glycine max*/ Wenbing Guo, Lina Zhang, Jing Zhao, Hong Liao, Chuxiong Zhuang, Xiaolong Yan.

Plant Science, Volume 175, Issue 4, , October 2008, Pages 574-584.

Keywords : Phosphate starvation; Soybean; Suppression subtractive hybridization

Production of soybean associated with different hybrid poplar clones in a tree-based intercropping system in southwestern Quebec, Canada/ David Rivest, Alain Cogliastro, Anne Vanasse, Alain Olivier.

*Agriculture, Ecosystems & Environment*In Press, Corrected Proof, , Available online 25 September 2008.

Keywords : Competition; Hybrid poplar clones; Silvicultural treatments; Soybean yield components; Total light transmittance; Tree-based intercropping system

Induction of ultrastructural specialization for ureide metabolism in non-nodule soybean tissues cultured in vitro/ Nayeema Bulbul, Mieji Sakurai, Hisashi Matsushima, Yasuko Kaneko.

*Plant Science*In Press, Accepted Manuscript, , Available online 24 September 2008.

Simulation study of soil organic matter dynamics as affected by land use and agricultural practices in semiarid Cordoba, Argentina/ H.P. Apezteguia, R.C. Izaurrealde, R. Sereno.

*Soil and Tillage Research*In Press, Corrected Proof, , Available online 23 September 2008.

Keywords : Environmental Policy Integrated Climate; Climate change; Soil carbon; No till; Corn; Soybean

Meta-analysis of environmental effects on soybean seed composition/ Jose L. Rotundo, Mark E. Westgate.

*Field Crops Research*In Press, Corrected Proof, , Available online 11 September 2008.

Keywords : Water stress; Temperature stress; Nitrogen supply

Cryptic red light signal regulates ascorbic acid in soybean/ Lakshmi Nimmagadda, Guruprasad Kadur Narayanaswamy.

*Journal of Plant Physiology*In Press, Corrected Proof, , Available online 10 September 2008.

Keywords : Ascorbic acid; Cryptic red light signal; Glycine max; Phytochrome; Ultraviolet-B

Nod factor [Nod Bj V (C18:1, MeFuc)] and lumichrome enhance photosynthesis and growth of corn and soybean/ Wajahatullah Khan, Balakrishnan Prithiviraj, Donald L. Smith.

Journal of Plant Physiology, Volume 165, Issue 13, , 8 September 2008, Pages 1342-1351.

Keywords : Corn; Lumichrome; Nod factor; Photosynthesis; Soybean

Value-added subcritical water hydrolysate from rice bran and soybean meal/ Ketmanee Watchararui, Motonobu Goto, Mitsuru Sasaki, Artiwan Shotipruk.

Bioresource Technology, Volume 99, Issue 14, , September 2008, Pages 6207-6213.

Keywords : Hydrothermal; Protein; Amino acids; Antioxidants; Hydrolysis

Transesterification of soybean oil catalyzed by sulfated zirconia/ Camila Martins Garcia, Sergio Teixeira, Leticia Ledo Marciniuk, Ulf Schuchardt.

Bioresource Technology, Volume 99, Issue 14, , September 2008, Pages 6608-6613.

Keywords : Transesterification; Esterification; Vegetable oil; Sulfated zirconia; Biodiesel

Polyphenol contents and antioxidant activity of soybean seed extracts/ Djordje Malencic, Zoran Maksimovic, Milan Popovic, Jegor Miladinovic.

Bioresource Technology, Volume 99, Issue 14, , September 2008, Pages 6688-6691.

Keywords : Soybean seed; Total phenols; Tannins; Flavonoids; Proanthocyanidins

Heme oxygenase up-regulation under salt stress protects nitrogen metabolism in nodules of soybean plants/ Carla G. Zilli, Karina B. Balestrasse, Gustavo G. Yannarelli, Ariel H. Polizio, Diego M. Santa-Cruz, Maria L. Tomaro.

Environmental and Experimental Botany, Volume 64, Issue 1, , September 2008, Pages 83-89.

Keywords : Heme oxygenase; Nitrogen metabolism; Oxidative stress; Salt stress; Soybean (Glycine max)

Toxicological evaluation and bioavailability of ¹⁴C-fenitrothion bound residues on soybeans towards experimental animals/ M. Farghaly, S. El-Maghraby.

Food and Chemical Toxicology, Volume 46, Issue 9, , September 2008, Pages 3111-3115.

Keywords : ¹⁴C-fenitrothion; Stored soybeans; Bound residues; Bioavailability; Toxicity; Bioassay

Emergence of cuphea seeds treated with different fungicides/ Marisol T. Berti, Burton L. Johnson, Carl A. Bradley.

Industrial Crops and Products, Volume 28, Issue 2, , September 2008, Pages 184-189.

Keywords : Azoxystrobin; Captan; Fludioxonil; Mefenoxam; Pythium; Rhizoctonia

Dew frequency, duration, amount, and distribution in corn and soybean during SMEX05/ Erik D. Kabel, Brian K. Hornbuckle, Michael H. Cosh, Martha C. Anderson, Mark L. Gleason.

*Agricultural and Forest Meteorology*In Press, Corrected Proof, , Available online 29 August 2008.

Keywords : Dew; Corn; Soybean; Remote sensing

Proteomic analysis of soybean nodule cytosol/ Nathan W. Oehrle, Annamraju D. Sarma, James K. Waters, David W. Emerich.

*Phytochemistry*In Press, Corrected Proof, , Available online 29 August 2008.

Keywords : Glycine max; Leguminosae; Proteomics; Soybean; Nodules; Bradyrhizobium japonicum; Glycolysis; 2D Electrophoresis; Mass spectrometry

The effects of nitrogen and iron fertilization on growth, yield and fertilizer use efficiency of soybean in a Mediterranean-type soil/ S. Caliskan, I. Ozkaya, M.E. Caliskan, M. Arslan.

Field Crops Research, v. 108, Issue 2, , 23 August 2008, Pages 126-132.

Keywords : Nitrogen; Iron; Early growth; Agronomic efficiency; Seed yield; Mediterranean

Analysis of clock gene homologs using unifoliolates as target organs in soybean (*Glycine max*)/ Hua Liu, Honggui Wang, Pengfei Gao, Jiaohui Xu, Tongda Xu, Jingshan Wang, Baoli Wang, Chentao Lin, Yong-Fu Fu.
*Journal of Plant Physiology*In Press, Corrected Proof, , Available online 15 August 2008.

Keywords : Flowering; LHY/CCA1; Soybean (*Glycine max*); TOC1; Unifoliolates

Demulsification of oil-rich emulsion from enzyme-assisted aqueous extraction of extruded soybean flakes/ J. Wu, L.A. Johnson, S. Jung.
*Bioresource Technology*In Press, Corrected Proof, , Available online 13 August 2008.

Keywords : Aqueous extraction; Extrusion; Phospholipase; Soybean emulsion; Demulsification

Genomic panorama of *Bradyrhizobium japonicum* CPAC 15, a commercial inoculant strain largely established in Brazilian soils and belonging to the same serogroup as USDA 123/ Leandro Pereira Godoy, Ana Tereza Ribeiro Vasconcelos, Ligia Maria Oliveira Chueire, Rangel Celso Souza, Marisa Fabiana Nicolas, Fernando Gomes Barcellos, Mariangela Hungria.
*Soil Biology and Biochemistry*In Press, Corrected Proof, , Available online 13 August 2008.

Keywords : Biological nitrogen fixation; *Bradyrhizobium japonicum*; Genome; *Glycine max*

Population dynamics and biocontrol efficacy of the nematophagous fungus *Hirsutella rhossiliensis* as affected by stage of the soybean cyst nematode/ Limei Zhang, Ence Yang, Meichun Xiang, Xingzhong Liu, Senyu Chen.
Biological Control In Press, Corrected Proof, , Available online 7 August 2008.

Keywords : DNA yield; Real-time PCR; *Heterodera glycines*; Fungal parasitism; Nematode suppression

Assessment on Phosphorus Efficiency Characteristics of Soybean Genotypes in Phosphorus-Deficient Soils/ Xiang-wen PAN, Wen-bin LI, Qiu-ying ZHANG, Yan-hua LI, Ming-shan LIU.
Agricultural Sciences in China, v. 7, Issue 8, , August 2008, Pages 958-969.

Keywords : assessment; phosphorus efficiency characteristics; phosphorus-deficient soil; soybean genotypes

Potential for biotic interference of a classical biological control agent of the soybean aphid/ J.M. Chacon, D.A. Landis, G.E. Heimpel.

Biological Control, Volume 46, Issue 2, , August 2008, Pages 216-225.

Keywords : Biological control; Intraguild predation; Biotic interference; Soybean aphid; Aphis glycines; Harmonia axyridis; Molecular gut-contents analysis

Physicochemical and rheological properties of soybean protein emulsions processed with a combined temperature/high-pressure treatment/ M.C. Puppo, V. Beaumal, N. Chapleau, F. Speroni, M. de Lamballerie, M.C. Anon.

Food Hydrocolloids, Volume 22, Issue 6, , August 2008, Pages 1079-1089.

Keywords : Soybean protein isolate; Temperature/high-pressure treatment; Emulsifying properties; Emulsion rheology

Combined physico-chemical treatments based on enterocin AS-48 for inactivation of Gram-negative bacteria in soybean sprouts/ Antonio Cobo Molinos, Hikmate Abriouel, Rosario Lucas Lopez, Eva Valdivia, Nabil Ben Omar, Antonio Galvez.

Food and Chemical Toxicology, v. 46, Issue 8, August 2008, p. 2912-2921.

Keywords : Sprouts; Foodborne pathogens; Spoilage; Bacteriocin; Chemical preservatives; Decontamination

Effects of dietary soybean oil on lipid and protein oxidation in pork patties during chill storage/ Marianne N. Lund, Marchen S. Hviid, Chris Claudi-Magnussen, Leif H. Skibsted.

Meat Science, Volume 79, Issue 4, , August 2008, Pages 727-733.

Keywords : Pork; Lipid oxidation; Protein oxidation; Dietary soybean oil; Storage

Evaluating the Effect of Tillage on Carbon Sequestration Using the Minimum Detectable Difference Concept/ X.M. Yang, C.F. Drury, M.M. Wander.

Pedosphere, Volume 18, Issue 4, , August 2008, Pages 421-430.

Keywords : carbon sequestration; minimum detectable difference; moldboard plow; no-tillage; soil depth

Effects of dietary vitamin E, C and soybean oil supplementation on antioxidant enzyme activities in liver and muscles of rats/ K.F. Shireen, R.D. Pace, M. Mahboob, A.T. Khan.

*Food and Chemical Toxicology*In Press, Corrected Proof, Available online 29 July 2008.

Keywords : Rat; Liver; Muscles; Vitamin E, C; Antioxidant enzymes

Soybean meal improves the physical quality of extruded fish feed/ M. Sorensen, N. Stjepanovic, O.H. Romarheim, T. Krekling, T. Storebakken.

*Animal Feed Science and Technology*In Press, Corrected Proof, , Available online 21 July 2008.

Keywords : Extrusion processing; Physical quality; Pellet durability index; Hardness; Breaking force; Bulk density; Expansion

Water pillow irrigation compared to furrow irrigation for soybean production in a semi-arid area Sinan Gercek/ Erkan Boydak, Mustafa Okant, Murat Dikilitas.

*Agricultural Water Management*In Press, Corrected Proof, , Available online 18 July 2008.

Keywords : Water pillow irrigation method; Soybean; Water use efficiency

Iturin produced by *Bacillus pumilus* HY1 from Korean soybean sauce (kanjang) inhibits growth of aflatoxin producing fungi/ Kye Man Cho, Renukaradhya K. Math, Su Young Hong, Shah Md. Asraful Islam, Devaiah K. Mandanna, Ji Joong Cho, Myoung Geun Yun, Jong Min Kim, Han Dae Yun.

*Food Control*In Press, Corrected Proof, , Available online 18 July 2008.

Keywords : Soybean sauce (Kanjang); Bacillus pumilus HY1; Antifungal activity; Iturin; MALDI-TOF mass

Nitrogen uptake, fixation and response to fertilizer N in soybeans: A review/ F. Salvagiotti, K.G. Cassman, J.E. Specht, D.T. Walters, A. Weiss, A. Dobermann.

Field Crops Research, Volume 108, Issue 1, , 11 July 2008, Pages 1-13.

Keywords : Soybean; Nitrogen; Biological N₂ fixation; Nitrogen fertilization; High yield

Leaf area index simulation in soybean grown under near-optimal conditions/
T.D. Setiyono, A. Weiss, J.E. Specht, K.G. Cassman, A. Dobermann.
Field Crops Research, Volume 108, Issue 1, , 11 July 2008, Pages 82-92.

Keywords : Soybean; Glycine max; Leaf area index; Simulation; Crop modeling; Logistic function; Beta function; Water balance

Analysis of potential yields and yield gaps of rainfed soybean in India using CROPGRO-Soybean model/ V.S. Bhatia, Piara Singh, S.P. Wani, G.S. Chauhan, A.V.R. Kesava Rao, A.K. Mishra, K. Srinivas.

Agricultural and Forest Meteorology, Volume 148, Issues 8-9, , 4 July 2008, Pages 1252-1265.

Keywords : Decision support system; Crop simulation model; CROPGRO-Soybean; Water non-limiting potential yield; Water limiting potential yield; Actual yield; Yield gaps; India

Kinetics and thermodynamics of basic dye sorption on phosphoric acid esterifying soybean hull with solid phase preparation technique/ Renmin Gong, Jin Sun, Demin Zhang, Keding Zhong, Guoping Zhu.

Bioresource Technology, Volume 99, Issue 10, , July 2008, Pages 4510-4514.

Keywords : Kinetics; Thermodynamics; Basic dye; Sorption; ESH

Abomasal infusion of casein, starch and soybean oil differentially affect plasma concentrations of gut peptides and feed intake in lactating dairy cows/ Alejandro E. Relling, Christopher K. Reynolds.

Domestic Animal Endocrinology, v. 35, Issue 1, , July 2008, Pages 35-45.

Keywords : Glucagon-like peptide-1(7-36) amide; Glucose-dependent insulinotropic polypeptide; Cholecystokinin; Insulin; Intake

Antioxidant activities of soybean as affected by Bacillus-fermentation to kinema/ Bijoy Moktan, Jayati Saha, Prabir K. Sarkar.

Food Research International, v. 41, Issue 6, , July 2008, Pages 586-593.

Keywords : Soybean; Bacillus subtilis; Fermentation; Kinema; Methanol extract; Polyphenolics; Antioxidant activity; Correlation

Glycopeptide derived from soybean [beta]-conglycinin inhibits the adhesion of Escherichia coli and Salmonella to human intestinal cells/ Baichong Yang, Xuemei Zhang, Xiaolan Bao, Ying Lv, Jing Zhang, Shuntang Guo.

Food Research International, Volume 41, Issue 6, July 2008, Pages 594-599.

Keywords : Bacterial adhesion; Escherichia coli; Salmonella; Soybean glycopeptide; [beta]-Conglycinin; LoVo cells

Different effects of 26-week dietary intake of rapeseed oil and soybean oil on plasma lipid levels, glucose-6-phosphate dehydrogenase activity and cyclooxygenase-2 expression in spontaneously hypertensive rats/ Naoki Ohara, Kikuko Kasama, Yukiko Naito, Tomoko Nagata, Yoshiaki Saito, Makiko Kuwagata, Harumi Okuyama.

Food and Chemical Toxicology, v. 46, Issue 7, , July 2008, Pages 2573-2579.

Keywords : Rapeseed (canola) oil; Rats; Lipogenesis; Oxidative stress; cyclooxygenase-2

Influence of guanidination on apparent ileal digestibility of amino acids in pigs fed diets with soybean meal, rapeseed meal or peas as a protein source/ William R. Caine, Willem C. Sauer, Guishan S. Huang, Gerd Diebold, Margit Schollenberger, Rainer Mosenthin.

Livestock Science, Volume 116, Issues 1-3, , July 2008, Pages 300-308.

Keywords : Guanidination; Homoarginine; Amino acids; Digestibility; Pigs

Role of native soil biology in Brassicaceous seed meal-induced weed suppression/ L. Hoagland, L. Carpenter-Boggs, J.P. Reganold, M. Mazzola.

Soil Biology and Biochemistry, v. 40, Issue 7, , July 2008, Pages 1689-1697.

Keywords : Brassicaceous; Allelopathy; Pythium; Glucosinolates; Weed suppression; Biological control; Brassicaceae

Effect of tillage management on energy-use efficiency and economics of soybean (Glycine max) based cropping systems under the rainfed conditions in North-West Himalayan Region/ K.P. Singh, Ved Prakash, K. Srinivas, A.K. Srivastva.

Soil and Tillage Research, v. 100, Issues 1-2, July-August 2008, Pages 78-82.

Keywords : Zero tillage; Minimum tillage; Conservation tillage; Input energy; Output energy; Soybean based cropping system

Interactions between whey soybean protein (WSP) and beta-conglycinin (7S) during the formation of protein particles at elevated temperatures/ Chengang Ren, Lu Tang, Min Zhang, Shuntang Guo.

Food Hydrocolloids In Press, Corrected Proof, , Available online 20 June 2008.

Keywords : Whey soybean protein (WSP); Beta-conglycinin (7S); Heat treatment; Protein particle formation; Soymilk

Antimutagenic activity of *Aspergillus awamori*-fermented black soybean response to simulated digestive juice treatments and its antimutagenic mechanisms/ Yu-Hsiang Hung, Yen-Ju Wang, Cheng-Chun Chou.

LWT - Food Science and Technology In Press, Corrected Proof, , Available online 7 June 2008.

Keywords : Antimutagenicity; Fermented black soybean; Mechanism; Simulated digested treatment

Replacement of soybean meal with processed karanj (*Pongamia glabra*) cake on the balances of karanjin and nutrients, as well as microbial protein synthesis in growing lamb/ N.M. Soren, V.R.B. Sastry.

Animal Feed Science and Technology In Press, Corrected Proof, , Available online 4 June 2008.

Keywords : Lambs; Karanj cake; Calcium; Phosphorus; Karanj; Microbial protein synthesis

Variations in soil aggregate stability and enzyme activities in a temperate agroforestry practice/ Ranjith P. Udawatta, Robert J. Kremer, Brandon W. Adamson, Stephen H. Anderson.

Applied Soil Ecology, Volume 39, Issue 2, , June 2008, Pages 153-160.

Keywords : Corn-soybean rotation; Grass buffer; Grass waterways; Nonpoint source pollution; Total carbon; Soil DNA

FTIR spectra studies on the secondary structures of 7S and 11S globulins from soybean proteins using AOT reverse micellar extraction/ Xiaoyan Zhao, Fusheng Chen, Wentong Xue, Lite Lee.

Food Hydrocolloids, Volume 22, Issue 4, , June 2008, Pages 568-575.

Keywords : FTIR; Reverse micelle; Soybean; 7S and 11S globulins; Secondary structure

Subchronic feeding study of herbicide-tolerant soybean DP-356O43-5 in Sprague-Dawley rats/ Laura M. Appenzeller, Susan M. Munley, Denise Hoban, Greg P. Sykes, Linda A. Malley, Bryan Delaney.
Food and Chemical Toxicology, Volume 46, Issue 6, , June 2008, Pages 2201-2213.

Keywords : Biotechnology; Genetically modified; Glyphosate acetyltransferase; Rat; Soybean; Subchronic

Effect of trap cropping on the egg parasitism of *Riptortus clavatus* (Thunberg) in soybean fields/ Hee Sung Youn, Chuleui Jung.
Journal of Asia-Pacific Entomology, Volume 11, Issue 2, , June 2008, Pages 73-76.

Keywords : Riptortus clavatus; Ooencyrtus nezarae; Gryon japonicum; Trap crop; Parasitism

Effects of toasting blue lupins, soybeans or barley as supplement for high-yielding, organic dairy cows fed grass-clover silage ad libitum/ Lisbeth Mogensen, Peter Lund, Troels Kristensen, Martin Riis Weisbjerg. *Livestock Science*, Volume 115, Issues 2-3, , June 2008, Pages 249-257.

Keywords : Milk production; Organically grown feed; Protein supplement; Production experiment

Atlantic salmon (*Salmo salar* L.) parr fed genetically modified soybeans and maize: Histological, digestive, metabolic, and immunological investigations/A.M. Bakke-McKellep, M. Sanden, A. Danieli, R. Acierno, G.-I. Hemre, M. Maffia, A. Krogdahl.
Research in Veterinary Science, Volume 84, Issue 3, , June 2008, Pages 395-408.

Keywords : GM; Aquaculture; Nutrition; Intestine; Transport; Enzymes

Monitoring the occurrence of genetically modified soybean and maize in cultivated fields and along the transportation routes of the Incheon Port in South Korea/ Bumkyu Lee, Chang-Gi Kim, Ji-Young Park, Kee Woong Park, Hyo-Jeong Kim, Hoonbok Yi, Soon-Chun Jeong, Won Kee Yoon, Hwan Mook Kim.

Food Control In Press, Corrected Proof, , Available online 20 May 2008.

Keywords : GMO detection; Maize; PCR; Soybean

Integrated management of *Striga hermonthica*, stemborers, and declining soil fertility in western Kenya/ B. Vanlauwe, F. Kanampiu, G.D. Odhiambo, H. De Groote, L.J. Wadhams, Z.R. Khan.

Field Crops Research, Volume 107, Issue 2, , 10 May 2008, Pages 102-115.

Keywords : Crotalaria ochroleuca; Fertilizer; Glycine max; Imazapyr-coated herbicide-resistant maize; Push-pull intercrop; Striga seedbank

Production of ethanol from soybean hull hydrolysate by osmotolerant *Candida guilliermondii* NRRL Y-2075/ Angela Cristina Schirmer-Michel, Simone Hickmann Flores, Plinho Francisco Hertz, Gilvane Souza Matos, Marco Antonio Zachia Ayub.

Bioresource Technology, Volume 99, Issue 8, , May 2008, Pages 2898-2904.

Keywords : Candida guilliermondii; Soybean hull; Hydrolysate; Ethanol production; Xylitol

Characterization of new biosurfactant produced by *Klebsiella* sp. Y6-1 isolated from waste soybean oil/ Sang-Cheol Lee, Seung-Jin Lee, Sun-Hee Kim, In-Hye Park, Yong-Seok Lee, Soo-Yeol Chung, Yong-Lark Choi.

Bioresource Technology, Volume 99, Issue 7, , May 2008, Pages 2288-2292.

Keywords : Klebsiella sp.; Biosurfactant; Emulsification activity; Emulsification stability CMC; Surface tension

Co-producing lipopeptides and poly-[gamma]-glutamic acid by solid-state fermentation of *Bacillus subtilis* using soybean and sweet potato residues and its biocontrol and fertilizer synergistic effects/ Qijun Wang, Shouwen Chen, Jibin Zhang, Ming Sun, Ziduo Liu, Ziniu Yu.

Bioresource Technology, Volume 99, Issue 8, , May 2008, Pages 3318-3323.

Keywords : Lipopeptides; Poly-[gamma]-glutamic acid ([gamma]-PGA); Biocontrol agent; Fertilizer synergist; Solid-state fermentation.

Impact of solar ultraviolet-B radiation on the antioxidant defense system in soybean lines differing in flavonoid contents/ Chenping Xu, Savithiry Natarajan, Joe H. Sullivan.

Environmental and Experimental Botany, Volume 63, Issues 1-3, , May 2008, Pages 39-48.

Keywords : Active oxygen species; Antioxidants; Flavonoids; Glycine max; Oxidative stress; Soybean; UV-B radiation

Analysis of the effect of ozone on soybean in the Mediterranean region: I. The consequences on crop-water status/ Maher Bou Jaude, Nader Katerji, Marcello Mastrorilli, Gianfranco Rana.

European Journal of Agronomy, v. 28, Issue 4, May 2008, Pages 508-518.

Keywords : Ozone; Soybean; Predawn leaf-water potential; Stomatal conductance; Actual evapotranspiration; Plant water stress

Analysis of the ozone effect on soybean in the Mediterranean region: II. The consequences on growth, yield and water use efficiency/ Maher Bou Jaoude, Nader Katerji, Marcello Mastrorilli, Gianfranco Rana. *European Journal of Agronomy*, Volume 28, Issue 4, , May 2008, Pages 519-525.

Keywords : Ozone; Soybean; Plant growth; Yield; Water use efficiency; Plant water-stress; Yield quality

Allelopathic effect of ginger on seed germination and seedling growth of soybean and chive/ Chun-Mei Han, Kai-Wen Pan, Ning Wu, Jin-Chuang Wang, Wei Li.

Scientia Horticulturae, Volume 116, Issue 3, , 1 May 2008, Pages 330-336.

Keywords : Ginger; Zingiber officinale Rosc.; Soybean; Glycine max (L.) Merr.; Chive; Allium schoenoprasum L.; Germination; Seedling growth; Water uptake; Lipase activity; Allelochemicals

Nutritional characterization of *Mucuna pruriens*: 2. In vitro ruminal fluid fermentability of *Mucuna pruriens*, *Mucuna l-dopa* and soybean meal incubated with or without l-dopa/ S.K. Chikagwa-Malunga, A.T. Adesogan, M.B. Salawu, N.J. Szabo, R.C. Littell, S.C. Kim, S.C. Phatak.

*Animal Feed Science and Technology*In Press, Corrected Proof, , Available online 28 April 2008.

Keywords : Mucuna; l-Dopa; Soybean meal; Digestibility; Gas production

Nutritional characterization of *Mucuna pruriens*: 3. Effect of replacing soybean meal with *Mucuna* on intake, digestibility, N balance and microbial

protein synthesis in sheep/ S.K. Chikagwa-Malunga, A.T. Adesogan, N.J. Szabo, R.C. Littell, S.C. Phatak, S.C. Kim, K.G. Arriola, C.M. Huisden, D.B. Dean, N.A. Krueger.

*Animal Feed Science and Technology*In Press, Corrected Proof, , Available online 28 April 2008.

Keywords : Mucuna pruriens; Soybean; Intake; Digestibility; Microbial protein; N retention

Nutritional characterization of *Mucuna pruriens*: 4. Does replacing soybean meal with *Mucuna pruriens* in lamb diets affect ruminal, blood and tissue l-dopa concentrations?, / S.K. Chikagwa-Malunga, A.T. Adesogan, L.E. Sollenberger, S.C. Phatak, N.J. Szabo, S.C. Kim, C.M. Huisden, R.C. Littell.

*Animal Feed Science and Technology*In Press, Corrected Proof, , Available online 28 April 2008.

Keywords : Mucuna pruriens; Acute-phase protein; Weight gain; l-Dopa

Down-regulation of flavonoid 3'-hydroxylase gene expression by virus-induced gene silencing in soybean reveals the presence of a threshold mRNA level associated with pigmentation in pubescence/ Atsushi Nagamatsu, Chikara Masuta, Hideyuki Matsuura, Keisuke Kitamura, Jun Abe, Akira Kanazawa.

*Journal of Plant Physiology*In Press, Corrected Proof, , Available online 18 April 2008.

Keywords : Cucumber mosaic virus; Flavonoid 3'-hydroxylase; Pigmentation; Soybean (Glycine max); Virus-induced gene silencing

Integrating new soybean varieties for soil fertility management in smallholder systems through participatory research: Lessons from western Kenya/ M. Misiko, P. Tittonell, J.J. Ramisch, P. Richards, K.E. Giller.

Agricultural Systems, Volume 97, Issues 1-2, , April 2008, Pages 1-12.

Keywords : Farmer selection criteria; Participatory variety screening; Farmer experimentation; Grain legumes

Surfactant Linear Alkylbenzene Sulfonate Effect on Soil Cd Fractions and Cd Distribution in Soybean Plants in a Pot Experiment/ Yong Zhang, Bo-Han Liao, Qing-Ru Zeng, Min Zeng, Ming Lei.

Pedosphere, Volume 18, Issue 2, , April 2008, Pages 242-247.

Keywords : cadmium bioavailability; cadmium fractions; linear alkylbenzene sulfonate; soil; soybean

Cytosolic ascorbate peroxidase 2 (cAPX 2) is involved in the soybean response to flooding/ Fang Shi, Ryo Yamamoto, Satoshi Shimamura, Susumu Hiraga, Norikazu Nakayama, Takuji Nakamura, Kiyoshi Yukawa, Mayumi Hachinohe, Hiroshi Matsumoto, Setsuko Komatsu.

Phytochemistry, Volume 69, Issue 6, , April 2008, Pages 1295-1303.

Keywords : Soybean; Glycine max; Leguminosae; Ascorbate peroxidase 2; Flooding; Proteome; Root

Fatty acid compositions of mixed ruminal microbes isolated from sheep supplemented with soybean oil/ O. Kucuk, B.W. Hess, D.C. Rule.

Research in Veterinary Science, v. 84, Issue 2, April 2008, Pages 215-224.

Keywords : Rumen; Microbes; Sheep; Soybean oil; Conjugated linoleic acid

Proteinase activity in soybean nodules/ L.A. Mashamba, U. Schluter, K. Kunert.

South African Journal of Botany, Volume 74, Issue 2, , April 2008, Page 372.

Molecular events in senescing soybean nodules/ U. Schluter, C. Mathabe, C. Foyer, K. Kunert.

South African Journal of Botany, Volume 74, Issue 2, , April 2008, Page 378.

Both root and shoot-derived factors plays a role in the chilling-induced inhibition of symbiotic nitrogen fixation in soybean/ M. De Beer, P.D.R. Van Heerden

South African Journal of Botany, Volume 74, Issue 2, , April 2008, Page 386.

Linking chilling-induced inhibition of N₂ fixation to photosynthetic response in soybean by means of fast fluorescence rise kinetics/ A.J. Strauss, P.D.R. Van Heerden, M. De Beer, G.H.J. Kruger, R.J. Strasser. *South African Journal of Botany*, Volume 74, Issue 2, , April 2008, Pages 389-390.

Molecular identification of dominant microflora associated with 'Hawaijar' -- A traditional fermented soybean (*Glycine max* (L.)) food of Manipur, India/ K. Jeyaram, W. Mohendro Singh, T. Premarani, A. Ranjita Devi, K. Selina Chanu, N.C. Talukdar, M. Rohinikumar Singh.

International Journal of Food Microbiology, Volume 122, Issue 3, , 20 March 2008, Pages 259-268.

Keywords : Hawaijar; Bacillus; ARDRA; 16S-23S rDNA; RAPD-PCR

Soybean meal induces intestinal inflammation in common carp (*Cyprinus carpio* L.)/ P.A. Uran, A.A. Goncalves, J.J. Taverne-Thiele, J.W. Schrama, J.A.J. Verreth, J.H.W.M. Rombout.

*Fish & Shellfish Immunology*In Press, Accepted Manuscript, , Available online 4 March 2008.

Soybean yield and resource conservation field borders/ W. Terrell Stamps, Thomas V. Dailey, Ned M. Gruenhagen, Marc J. Linit.

Agriculture, Ecosystems & Environment, Volume 124, Issues 1-2, , Special Section: Problems and Prospects of Grassland Agroecosystems in Western China, March 2008, Pages 142-146.

Keywords : Colinus virginianus; Conservation Reserve Program; Field margin; Bobwhite; Grassland birds

Response to annual applications of de-inked papermill biosolids by field earthworms on three agricultural soils/ G.W. Price, R.P. Voroney.

Applied Soil Ecology, Volume 38, Issue 3, , March 2008, Pages 230-238.

Keywords : Papermill biosolids; Earthworms; Organic amendments; Agricultural soils; Waste management

Evaluation of genetic diversity of bradyrhizobia strains nodulating soybean [*Glycine max* (L.) Merrill] isolated from South Brazilian fields/ A. Giongo, A. Ambrosini, L.K. Vargas, J.R.J. Freire, M.H. Bodanese-Zanettini, L.M.P. Passaglia.

Applied Soil Ecology, Volume 38, Issue 3, , March 2008, Pages 261-269.

Keywords : Bradyrhizobium; Diversity index; Bacterial genotypic characterization; Rep-PCR; AFLP; Principal coordinate analysis

Antioxidant and antigenotoxic activities of Korean fermented soybean/ Nam Yee Kim, Eun Jeong Song, Dae Young Kwon, Hyun Pyo Kim, Moon Young Heo.

Food and Chemical Toxicology, v. 46, Issue 3, March 2008, p. 1184-1189.

Keywords : Korean fermented soybean; Chungkookjang; Antioxidant; Antigenotoxicity; DNA damage

Structure and function of plant acyl-CoA oxidases/ Susan Arent, Valerie E. Pye, Anette Henriksen.

Plant Physiology and Biochemistry, Volume 46, Issue 3, , Plant structural biology, March 2008, Pages 292-301.

Keywords : Acyl-CoA oxidase; Acyl-CoA dehydrogenase; Structure; Function; Electron transfer; Substrate binding; Domains

Nitrogen fertilization and cropping system impacts on soil properties and their relationship to crop yield in the central Corn Belt, USA/ Sindhu Jagadamma, Rattan Lal, Robert G. Hoefl, Emerson D. Nafziger, Eric A. Adee.

Soil and Tillage Research, Volume 98, Issue 2, , March 2008, Pages 120-129.

Keywords : Nitrogen; Continuous corn; Corn-soybean rotation; Soil physical properties; Soil chemical properties; Crop yield; Principal component analysis; Multiple regression analysis

Soybean yield trends from 1972 to 2003 in mid-western USA/ D.B. Egli.

Field Crops Research, Volume 106, Issue 1, , 27 February 2008, Pages 53-59.

Keywords : Glycine max (L.) Merrill; Crop productivity; Yield growth rate; Yield plateaus

Soybean yield physiology and development of high-yielding practices in Northeast China/ Xiaobing Liu, Jian Jin, Guanghua Wang, S.J. Herbert.

Field Crops Research, Volume 105, Issue 3, , 1 February 2008, Pages 157-171.

Keywords : Soybean; Northeast China; Production; Yield physiology; Culture practices; Past half century

Droplet characterization and stability of soybean oil/palm kernel olein O/W emulsions with the presence of selected polysaccharides/ Ibrahim Nor Hayati, Yaakob Bin Che Man, Chin Ping Tan, Idris Nor Aini.

*Food Hydrocolloids*In Press, Corrected Proof, Available online 25 January 2008.

Keywords : Soybean oil; Palm kernel olein; Polysaccharides; Droplet size; Flow behavior; Emulsion stability; Partial coalescence

Effects of dietary supplementation of keratinase on growth performance, nitrogen retention and intestinal morphology of broiler chickens fed diets with soybean and cottonseed meals/ Haiying Wang, Yuming Guo, Jason C.H. Shih.

Animal Feed Science and Technology, Volume 140, Issues 3-4, , 15 January 2008, Pages 376-384.

Keywords : Keratinase; Broiler performance; Nitrogen retention; Intestinal morphology

Sustainability under combined application of mineral and organic fertilizers in a rainfed soybean-wheat system of the Indian Himalayas/ Ranjan Bhattacharyya, S. Kundu, Ved Prakash, H.S. Gupta.

European Journal of Agronomy, Volume 28, Issue 1, , January 2008, Pages 33-46.

Keywords : Soybean-wheat; Rainfed cropping system; Sustainability index; Mineral fertilizer; Farmyard manure; Indian Himalayas

Effects of soil acidity amelioration by surface liming on no-till corn, soybean, and wheat root growth and yield/ E.F. Caires, F.J. Garbuio, S. Churka, G. Barth, J.C.L. Correa.

European Journal of Agronomy, Volume 28, Issue 1, , January 2008, Pages 57-64.

Keywords : Subsoil acidity; Aluminum toxicity; Calcium; Dolomitic lime; Root length; Conservation tillage; Tropical soil

Rheological properties of [kappa]-carrageenan and soybean glycinin mixed gels/ Jian-Hua Zhu, Xiao-Quan Yang, Ijaz Ahmad, Lin Li, Xiao-Yuan Wang, Chong Liu,

Food Research International, Volume 41, Issue 3, , 2008, Pages 219-228.

Keywords : Soybean glycinin; [kappa]-Carrageenan; Mixed gels; Rheological properties

Preparation of soluble soybean protein aggregates (SSPA) from insoluble soybean protein concentrates (SPC) and its functional properties/ Heng-Guang Zheng, Xiao-Quan Yang, Chuan-He Tang, Lin Li, Ijaz Ahmad.
Food Research International, Volume 41, Issue 2, , 2008, Pages 154-164.

Keywords : Soybean protein concentrate; Alcohol denaturation; Hydrothermal cooking; Aggregate; Functionality

Addition of rice bran oil to soybean oil during frying increases the oxidative stability of the fried dough from rice flour during storage/ Chatchawan Chotimarkorn, Nattiga Silalai.

Food Research International, Volume 41, Issue 3, , 2008, Pages 308-317.

Keywords : Soybean oil; Rice bran oil; Blending; Oxidative; Hydrolytic; Rancidity

Oxidative stability, trans,trans-2,4-decadienals, and tocopherol contents during storage of dough fried in soybean oil with added medium-chain triacylglycerols (MCT)/ Toshiyuki Toyosaki, Yasuhide Sakane, Michio Kasai.

Food Research International, Volume 41, Issue 3, , 2008, Pages 318-324.

Keywords : Medium-chain triacylglycerols (MCT); Hydroperoxide; Tocopherols; Trans,trans-2,4-decadienal; Oxidative stability

Transesterification of epoxidized soybean oil to prepare epoxy methyl esters/ Ronald A. Holser,.

Industrial Crops and Products, Volume 27, Issue 1, , January 2008, Pages 130-132.

Keywords : Epoxidized soybean oil; Epoxy methyl esters; Transesterification; Biobased products

Modeling dehydration and rehydration of cooked soybeans subjected to combined microwave-hot-air drying/ A.A. Gowen, N. Abu-Ghannam, J. Frias, J. Oliveira.

Innovative Food Science & Emerging Technologies, Volume 9, Issue 1, , January 2008, Pages 129-137.

Keywords : Combined; Microwave; Hot-air; Soybean; Dehydration; Rehydration

Antifungal potential of some natural products against *Aspergillus flavus* in soybean seeds during storage/ Y.L. Krishnamurthy, J. Shashikala, B. Shankar Naik.

Journal of Stored Products Research, Volume 44, Issue 4, , 2008, Pages 305-309.

Keywords : Aspergillus flavus; Natural plant products; Soybean; Germination; Storage

In vitro evaluation of antifungal activity of soybean (*Glycine max*) seed coat proteins/ P.O. Santos, I.S. Santos, V.M. Gomes, O.L.T. Machado, K.V.S. Fernandes, J. Xavier-Filho, A.E.A. Oliveira.

Journal of Stored Products Research, v. 44, Issue 4, , 2008, Pages 310-315.

Keywords : Soybean; Seed coat; Phytopathogenic fungi

Preparation of low-fat uptake frying batter composite by dry particle coating of microparticulated soybean hull/ Bum-Keun Kim, Jun-Soo Lee, Chang-Ho Lee, Dong-June Park.

LWT - Food Science and Technology, Volume 41, Issue 1, , January 2008, Pages 34-41.

Keywords : Soybean hull; Microparticulation; Dry particle coating; Composite; Frying batter; Deep fat frying; Fat uptake

Dielectric properties of soybean protein isolate dispersions as a function of concentration, temperature and pH/ Jasim Ahmed, H.S. Ramaswamy, G.S.V. Raghavan.

LWT - Food Science and Technology, Volume 41, Issue 1, , January 2008, Pages 71-81.

Keywords : Soybean protein; Dielectric constant; Loss factor; Protein denaturation; Concentration; Penetration depth

Effect of heat processing on ruminal degradability and intestinal disappearance of nitrogen and amino acids in Iranian whole soybean/ M.H. Fathi Nasri, J. France, M. Danesh Mesgaran, E. Kebreab.

Livestock Science, Volume 113, Issue 1, , January 2008, Pages 43-51.

Keywords : Amino acid; Digestibility; Heat processing; Mobile bag; Whole soybean

Insights into the role and structure of plant ureases/ Cristian Follmer.
Phytochemistry, Volume 69, Issue 1, , January 2008, Pages 18-28.

Keywords : **Canavalia ensiformis; Glycine max; Leguminosae; Jack bean; Soybean; Ureases; Canatoxin; Insecticidal; Plant defense**

Impact of solar Ultraviolet-B on the proteome in soybean lines differing in flavonoid contents/ Chenping Xu, Joe H. Sullivan, Wesley M. Garrett, Thomas J. Caperna, Savithiry Natarajan.

Phytochemistry, Volume 69, Issue 1, , January 2008, Pages 38-48.

Keywords : **2-D PAGE; Flavonoids; Mass spectrometry; Soybean; Proteomics; UV-B**

The role of 5'-adenylylsulfate reductase in the sulfur assimilation pathway of soybean: Molecular cloning, kinetic characterization, and gene expression/ Pallavi Phartiyal, Won-Seok Kim, Rebecca E. Cahoon, Joseph M. Jez, Hari B. Krishnan.

Phytochemistry, Volume 69, Issue 2, , January 2008, Pages 356-364.

Keywords : **Glycine max; Leguminosae; Legume; Soybean; Cloning; Kinetic analysis; Sulfur; 5'-Adenylyl reductase; APS reductase; Seed development; Nutrient stress; Cold stress**

Isolation and identification of alectrol as (+)-orobanchyl acetate, a germination stimulant for root parasitic plants/ Xiaonan Xie, Kaori Yoneyama, Dai Kusumoto, Yoichi Yamada, Takao Yokota, Yasutomo Takeuchi, Koichi Yoneyama.

Phytochemistry, Volume 69, Issue 2, , January 2008, Pages 427-431.

Keywords : **Trifolium pratense; Leguminosae; Orobanche minor; Orobanchaceae; Alectrol; Orobanchyl acetate; Strigolactone**

Genetic diversity and potential for promotion of plant growth detected in nodule endophytic bacteria of soybean grown in Heilongjiang province of China/ Ji Hong Li, En Tao Wang, Wen Feng Chen, Wen Xin Chen.

Soil Biology and Biochemistry, v. 40, Issue 1, , January 2008, Pages 238-246.

Keywords : **Diversity; Endophyte; Root nodule; Soybean; nifH; Horizontal transfer; PGPM; Phylogeny; Enterobacteria; Bacillus**