

PROQUEST

2003

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Auxin Responsiveness of a Novel Cytochrome P450 in Rice Coleoptiles¹/Christina Chaban, Frank Waller, Masaki Furuya, Peter Nick.
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Monitoring Expression Profiles of Rice Genes under Cold, Drought, and High-Salinity Stresses and Abscisic Acid Application Using cDNA Microarray and RNA Gel-Blot Analyses1[w]/M Ashiq Rabbani, Kyonoshin Maruyama, Hiroshi Abe, M Ayub Khan, et al.
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Over-expression of a Barley Aquaporin Increased the Shoot/Root Ratio and Raised Salt Sensitivity in Transgenic Rice Plants/Maki Katsuhara, Kazuki Koshio, Mineo Shibasaki, Yasuyuki Hayashi, et al.

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Partial Conservation of LFY Function between Rice and Arabidopsis/Atsushi Chujo, Ze Zhang, Hirohisa Kishino, Ko Shimamoto, Junko Kyojuka.

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Postanthesis water deficits enhance grain filling in two-line hybrid rice/Jianchang Yang, Jianhua Zhang, Zhiqing Wang, Lijun Liu, Qingsen Zhu.

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Rice Brassinosteroid-Deficient Mutant, ebisu dwarf (d2), Is Caused by a Loss of Function of a New Member of Cytochrome P450/Zhi Hong, Miyako Ueguchi-Tanaka, Kazuto Umemura, Sakurako Uozu, et al.

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Physiological and Molecular Plant Pathology. 2003. 62 (4). 203-208 CD Volume:406

Keywords : biochemical-receptors. disease-resistance. enzymes. glutamic-acid. mutants. mutations. plant-pathogenic-bacteria. plant-pathogens. protein-kinase. rice. transgenic-plants

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Keywords : application-rates. Cambisols. climate. cost-benefit-analysis. crop-yield. farmers'-attitudes. flooded-rice. Fluvisols. Gleysols. irrigated-farming. irrigation. nitrogen-fertilizers. phosphorus-fertilizers. potassium-fertilizers. prices. profitability. rice. rice-soils. simulation-models. soil-fertility. soil-types

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Keywords : centromeres. chromosomes. genes. genotypes. incompatibility. rice. seed-set. wild-relatives

A large rearrangement involving genes and low-copy DNA interrupts the microcollinearity between rice and barley at the Rph7 locus/Brunner S Keller B Feuillet C

Genetics. 2003. 164 (2). 673-683 CD Volume:412

Keywords : barley. chromosome-disposition. chromosome-number. chromosome-walking. chromosomes. disease-resistance. DNA. fungal-diseases. genes. genetic-mapping. intergenic-DNA. plant-diseases. plant-pathogenic-fungi. plant-pathogens. ploidy. Rice

A new botanical insecticide for managing rice bug/Nelson SJ Murugesan N Sathiyandam VKR Johnson YS Thangaraj Edward Muthusamy M Edward T

International Rice Research Notes. 2003. 28 (1). 44 CD Volume:416

Keywords : botanical-insecticides; chemical-control; fenthion-; insect-control; insect-pests; insecticidal-plants; insecticides-; pest-control; plant-pests; rice-; tobacco- Acorus; Araceae; Arales; monocotyledons; angiosperms; Spermatophyta; plants; Leptocorisa; Coreidae; Heteroptera; Hemiptera; insects; arthropods; invertebrates; animals; Nicotiana; Solanaceae; Solanales;

A new, high-yielding mutant aromatic rice variety, Khushboo 95/Soomro AM Baloch AW Bughio HR Bughio MS

International Rice Research Notes. 2003. 28 (1). 32 CD Volume:416

Keywords : characteristics-; crop-yield; mutants-; rice-; yield-components Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics

A pentatricopeptide repeat-containing gene that promotes the processing of aberrant atp6 RNA of cytoplasmic male-sterile rice/Kazama T Toriyama K

FEBS Letters. 2003. 544 (1/3). 99-102 CD Volume:404

Keywords : amino-acids. cytoplasm. cytoplasmic-male-sterility. deletions. genes. genomes. male-sterility. mitochondria. open-reading-frames. rice. RNA

A rice village saga: three decades of green revolution in the Philippines/Yujiro Hayami and Masao Kikuchi, Barnes and Noble, IRRI, and Macmillan

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Australian Journal of Experimental Agriculture. 2003. 43 (4). 379-387 CD Volume:417

Keywords : classification. climatic-seasons. remote-sensing. rice. summer. Winter

A widely commercialized two-line super hybrid rice, Liangyoupeijiu/Lu ChuanGen Zhou JiangShi Lu CG Zhou JS is selected for its yield potential and grain quality

International Rice Research Notes. 2003. 28 (1). 20 CD Volume:416

Keywords : crop-quality; crop-yield; hybrids-; rice- East-Asia; Asia; Developing-Countries; Eastern-China; China; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics

Actual and potential salt-related soil degradation in an irrigated rice scheme in the Sahelian zone of Mauritania/Asten P J A van Barbiero L Wopereis M C S Maeght J L Zee S E A T M van der

Agricultural Water Management. 2003. 60 (1). 13-32, CD Volume:406

Keywords : alkalization. calcite. cation-exchange-capacity. erosion. geological-sedimentation. irrigation. irrigation-water. leaching. magnesium. nonclay-minerals. rice. salinization. salts-in-soil. schist-soils. silicates. simulation-models. soil-degradation. soil-depth. soil-pH. soil-salinity. soil-types. soil-water-content. Topsoil

Advance estimation of rice production in India using weather indices/Nageswara Rao G Ramakrishna Y S Kesava Rao A V R Rao G G S N

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Agricultural trade liberalisation - likely implications for rice sector in India/Sekhar C S C
Indian Journal of Agricultural Economics. 2003. 58 (1). 42-63 CD Volume:422

Keywords : agricultural-trade. domestic-markets. exports. imports. international-trade. price-formation. prices. rice. supply. supply-elasticities. trade-liberalization. world-markets

Alternative crop production strategies for rice-wheat cropping systems in the Indo-Gangetic plains of India Australian/Pal M S

Journal of Experimental Agriculture. 2003. 43 (6). 605-615 CD Volume:417

Keywords : chemical-composition. cost-benefit-analysis. cowpeas. crop-yield. green-manures. harvest-index. income. Indian-mustard. nitrogen-content. nutrient-availability. organic-carbon. phosphorus. plant-composition. potassium. potatoes. rice. rotations. seeds. soil-organic-matter. soyabeans. sunflower-oil. sunflowers. toria. wheat

An improved direct-rice seeder/Sivakumar S S Manian R Kathirvel K

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Analysis of food composition data on rice from a plant genetic resources perspective/Kennedy G Burlingame B

Food Chemistry. 2003. 80 (4). 589-596 CD Volume:406

Keywords : cultivars. iron. nicotinic-acid. nutritive-value. protein-content. riboflavin. rice. thiamin. Zinc

Antioxidant activity and active compounds of rice koji fermented with *Aspergillus candidus*/Yen GowChin Chang YungChi Su SheuWen

Food Chemistry. 2003. 83 (1). 49-54 CD Volume:406

Keywords : antioxidants. chemical-composition. ergosterol. fermentation. lipid-peroxidation. Rice

Applications of genomics to rice breeding/Mackill DJ

International Rice Research Notes. 2003. 28 (1). 9-15 CD Volume:416

Keywords : alleles-; artificial-selection; genes-; genetic-improvement; genetic-markers; genetic-regulation; genetic-transformation; germplasm-; plant-breeding; reviews-; rice-; transgenic-plants *Oryza*; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics; Genetic-Engineering,-Gene-Transfer-and-Transgenics; General-Molecular-Biology Keywords:disease-resistance; gene-expression; genes-; genotypes-; phenotypes-; plant-diseases; plant-pathogenic-bacteria; rice- *Oryza*; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Xanthomonas; Xanthomonadaceae; Gracilicutes; bacteria; prokaryotes Field-Crops; Plant-Breeding-and-Genetics; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Host-Resistance-and-Immunity; General-Molecular-Biology

Association between physicochemical characters and cooking qualities in high-yielding rice varieties of diverse origin/ Vanaja T Babu LC

International Rice Research Notes. 2003. 28 (1). 28-29 CD Volume:416

Keywords : amylose-; cooking-quality; crop-yield; cultivars-; genetic-variation; processing-quality; rice-; yield-components Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics; Crop-Produce; Food-Composition-and-Quality

Basmati 2000 -- an extra long-grained aromatic rice variety in Punjab, Pakistan/Khan MG Akhter M Sabar M

International Rice Research Notes. 2003. 28 (1). 33 CD Volume:416

Keywords : cooking-quality; rice- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics

Biochemical response of rice genotypes to exogenous gibberellic acid/ Singh S Ram T

International Rice Research Notes. 2003. 28 (1). 68-69 CD Volume:416

Keywords : amylases-; catalase-; chlorophyll-; DNA-; endogenous-growth-regulators; enzyme-activity; enzyme-inhibitors; enzymes-; genotypes-; gibberellic-acid; IAA-; IAA-oxidase; iron-; nitrate-reductase; nitrogen-; nitrogen-content; nucleic-acids; organic-nitrogen; peroxidase-; phosphorus-; plant-growth-regulators; plant-proteins; protein-content; ribonucleases-; rice-; RNA-; shoots-; starch-; succinate-dehydrogenase; sugar-content South-Asia; Asia;

Blocking ethylene perception enhances flooding tolerance in rice seedlings/Ella E S Kawano N Yamauchi Y Tanaka K Ismail A M

Functional Plant Biology. 2003. 30 (7). 813-819 CD Volume:415

Keywords : chlorophyll. chlorophyllase. cultivars. enzyme-activity. enzymes. ethylene. flooding-tolerance. gene-expression. genes. metabolic-inhibitors. rice. seedlings. survival. varietal-reactions

Candidate defense genes from rice, barley, and maize and their association with qualitative and quantitative resistance in rice/Ramalingam J Vera Cruz C M Kukreja K Chittoor J M Wu J L Lee S W Baraoidan M George M L Cohen M B Hulbert S H Leach J E Leung H

Molecular Plant-Microbe Interactions. 2003. 16 (1). 14-24 CD Volume:414

Keywords : alleles. barley. chromosome-maps. chromosomes. defence-mechanisms. disease-resistance. enzymes. fungal-diseases. genes. genetic-markers. insect-pests. loci. maize. peroxidase. pest-resistance. plant-diseases. plant-pathogenic-bacteria. plant-pathogenic-fungi. plant-pathogens. plant-pests. quantitative-trait-loci. rice. transcription-factors

Carbon dynamics of rhizodeposits, root- and shoot-residues in a rice soil/Lu YaHai Watanabe
A Kimura M

Soil Biology & Biochemistry. 2003. 35 (9). 1223-1230 CD Volume:405

Keywords : biodegradation. crop-residues. decomposition. fallow. Inceptisols.
laboratory-tests. microbial-flora. mineralization. organic-carbon. plant-
residues. rhizosphere. rhizosphere. rice. rice-soils. rice-straw. root-
systems. roots. shoots. soil-organic-matter. soil-types. straw.
Temperature

Changes in release level of momilactone B into the environment from rice throughout its life
cycle/Kato Noguchi H Ino T Ichii M

Functional Plant Biology. 2003. 30 (9). 995-997 CD Volume:415

Keywords : allelochemicals. allelopathy. flowering. germination. germination-
inhibitors. growth. growth-inhibitors. life-cycle. plant-growth-regulators.
plant-secretions. rice. root-exudates. Roots

Characterisation of the effects of a major QTL of the partial resistance to Rice yellow mottle
virus using a near-isogenic-line approach/Ioannidou D Pinel A Brugidou C Albar L Ahmadi
N Ghesquiere A Nicole M Fargette D

Physiological and Molecular Plant Pathology. 2003. 63 (4). 213-221 CD Volume:432

Keywords : coat-proteins; cultivars-; disease-resistance; epistasis-; gene-expression;
genes-; introgression-; leaves-; lines-; mutations-; plant-diseases; plant-
pathogens; quantitative-trait-loci; rice-; RNA-; vascular-bundles Oryza-;
Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-;
plants-; viruses-; plant-pathogens; pathogens-; miscellaneous-plant-
viruses; plant-viruses; sobemovirus-group Field-Crops; Plant-Breeding-
and-Genetics; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Host-
Resistance-and-Immunity

Characterizing redox status of paddy soils with incorporated rice straw/Tanji K K Gao S
Scardaci S C Chow A T

Geoderma. 2003. 114 (3/4). 333-353 CD Volume:405

Keywords : characterization. methane. paddy-soils. pollution. pores. redox-potential.
redox-reactions. rice. rice-straw. soil-amendments. soil-organic-matter.
soil-types. soil-water. straw. Sulfides

Chemical composition and nutritional evaluation of variously treated defatted rice polishing
for broiler feeding/ Khaliq A Lone K P Pasha T N Khan A D

Asian-Australasian Journal of Animal Sciences. 2003. 16 (6). 873-879 CD Volume:424

Keywords : broilers. chemical-composition. chicks. feed-conversion-efficiency. fowl-
feeding. hydrochloric-acid. hydrogen-peroxide. liveweight-gain.
nutritive-value. poultry. rice-polishings. sodium-hydroxide-treatment.
treatment

Chlorophyll meter-based N management for rice grown in soils amended with organic manure/Bijay Singh Yadvinder Singh Sodhi GS Gupta RK Khind CS Ladha JK Balasubramanian V

International Rice Research Notes. 2003. 28 (1). 64-65 CD Volume:416

Keywords : chlorophyll-; crop-growth-stage; crop-yield; farmyard-manure; green-manures; nitrogen-; nitrogen-fertilizers; organic-fertilizers; rice- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; India; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops;

Comparative effects of root-knot nematode *Meloidogyne incognita* on yield performance of seven Asian rice and 13 *Oryza sativa*/*O. glaberrima* interspecific progenies/Afolami SO Orisajo SB Fademi OA

International Rice Research Notes. 2003. 28 (1). 21-24 CD Volume:416

Keywords : crop-yield; cultivars-; genetic-variation; plant-parasitic-nematodes; plant-pests; varietal-reactions *Meloidogyne*; *Meloidogynidae*; *Nematoda*; invertebrates; animals Field-Crops; Plant-Breeding-and-Genetics; Plant-Pests

Comparison of compaction and puddling as pre-planting soil preparation for mechanized rice transplanting in very gravelly Calcisols in central Iran/Abbas Hemmat Orang Taki

Soil & Tillage Research. 2003. 70 (1). 65-72 CD Volume:405

Keywords : Aridisols. clay-loam-soils. crop-establishment. growth. mechanical-methods. mechanization. plant-water-relations. puddling. rice. rotary-cultivation. rotary-cultivators. site-preparation. soil-compaction. soil-types. tine-cultivators. tractors. transplanters. transplanting. water-requirements

Conservation implications of flooding rice fields on winter waterbird communities/Elphick C S Oring L W

Agriculture, Ecosystems & Environment. 2003. 94 (1). 17-29 CD Volume:405

Keywords : aquatic-animals. flooded-rice. flooding. habitats. rice. rice-straw. species-diversity. species-richness. straw. waterfowl. wild-birds. wildlife-conservation

Control of rats at the ripening stage of a rice crop/Islam Z Hossain MM

International Rice Research Notes. 2003. 28 (1). 49-50 CD Volume:416

Keywords : chemical-control; crop-growth-stage; pest-control; plant-pests; rice-; ripening-; rodenticides-; vertebrate-pests *Bandicota*; *Murinae*; *Muridae*; rodents; mammals; vertebrates; Chordata; animals; small-mammals; South-Asia; Asia; Least-Developed-Countries; Developing-Countries; Commonwealth-of-Nations;

Critical concentration of saline water for rice cultivation on a reclaimed coastal soil in Korea/Choi WY Lee KS Ko JC Choi SY Choi DH Kim TS

International Rice Research Notes. 2003. 28 (1). 54-55 CD Volume:416

Keywords : crop-yield; growth-; rice-; soil-salinity; soil-types-chemical East-Asia; Asia; Developing-Countries; Threshold-Countries; OECD-Countries; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Production; Soil-Chemistry-and-Mineralogy

Crop traits related to weed suppression in water-seeded rice (*Oryza sativa* L.)/Gibson K D Fischer A J Foin TC Hill J E

Weed Science. 2003. 51 (1). 87-93 CD Volume:422

Keywords : competitive-ability. crop-weed-competition. crop-yield. cultivars. growth. indirect-selection. leaf-area. rice. roots. traits. Weeds

Detection of simple sequence repeat markers associated with resistance to whitebacked planthopper, *Sogatella furcifera* (Horvath), in rice/Kadirvel P Maheswaran M Gunathilagaraj K

International Rice Research Notes. 2003. 28(2). 22-23 CD Volume:416

Determinants of a premium-priced, special-quality rice/Leesawatwong M Jamjod S Rerkasem B Pinjai S

International Rice Research Notes. 2003. 28 (1). 34 CD Volume:416

Keywords : cooking-quality; geographical-distribution; prices-; rice- Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; South-East-Asia; Asia; Developing-Countries; ASEAN-Countries Field-Crops; Crop-Produce; Food-Composition-and-Quality

Determination of host responses to *Magnaporthe grisea* on detached rice leaves using a spot inoculation method/Jia Y Valent B Lee F N

Plant Disease. 2003. 87 (2). 129-133 CD Volume:415

Keywords : conidia. fungal-diseases. inoculation. leaves. methodology. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. Techniques Organism
Keywords:Magnaporthe-grisea. Oryza. Oryza-sativa

Dibble precision seeder for coated rice seeds/Yang MingJin Yang Ling Chen ZhongHui He PeiXiang Li QingDong

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (4). 9-12 CD Volume:426

Keywords : accuracy. automation. design. equipment-performance. mechanization. metering. meters. microprocessors. precision-drilling. precision-drills. rice. seeds. sensing. Sensors

Distribution of p-SINE1-r2 at the Wx locus in cultivated & wild rice in Thailand/Prathepha P
International Rice Research Notes. 2003. 28 (1). 26-27 CD Volume:416

Keywords : cultivars-; genes-; genetic-variation; plant-genetic-resources; rice-; wild-relatives Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics; Biological-Resources-Plant

Double crop-commom bean with upland rice, submitted to rates of nitrogen fertilization after green cover under no-tillage system/Bordin L Farinelli R Penariol F G Fornasieri Filho D
Bragantia. 2003. 62 (3). 417-428 CD Volume:410

Keywords : Phaseolus-vulgaris-L.; Oryza-sativa-L.-yield-components; dry-weight; crop-rotation

Double-stranded RNA interference of a rice PI/GLO paralog, OsMADS2, uncovers its second-whorl-specific function in floral organ patterning/Prasad K Vijayraghavan U
Genetics. 2003. 165. (4). 2301-2305 CD Volume:412

Effect of DCD, FYM and moisture regime on nitrous oxide emission from an alluvial soil in rice-wheat cropping system Journal of the/Pathak H Arti Bhatia Shiv Prasad Shalini Singh Kumar S Jain M C Singh P

Indian Society of Soil Science. 2003. 51 (2). 139-145 CD Volume:422

Keywords : alluvial-soils. crop-yield. dicyandiamide. emission. farmyard-manure. greenhouse-effect. irrigation. nitrification. nitrification-inhibitors. nitrogen. nitrogen-fertilizers. nitrous-oxide. nutrient-uptake. rice. saturated-conditions. soil-types. soil-water-regimes. urea. water-management. Wheat

Effect of fly ash, organic wastes and chemical fertilizers on yield, nutrient uptake, heavy metal content and residual fertility in a rice-mustard cropping sequence under acid lateritic soils/Rautaray S K Ghosh B C Mitra B N

Bioresource Technology. 2003. 90 (3). 275-283 CD Volume:406

Keywords : acid-soils. application-rates. cadmium. chemical-composition. crop-yield. farmyard-manure. fertilizers. fly-ash. food-grains. green-manures. heavy-metals. lateritic-soils. nickel. nitrogen. nutrient-uptake. nutrients. organic-wastes. phosphorus. plant-composition. plant-nutrition. potassium. residual-effects. residues. rice. rice-straw. sandy-loam-soils. soil-chemical-properties. soil-fertility. soil-organic-matter. soil-pH. soil-types. Straw

Effect of high temperature on fine structure of amylopectin in rice endosperm by reducing the activity of the starch branching enzyme/Jiang HuaWu Dian WeiMin Wu Ping

Phytochemistry. 2003. 63 (1). 53-59CD Volume:405

Keywords : amylopectin. amylose. biosynthesis. crop-growth-stage. endosperm. enzyme-activity. enzymes. gene-expression. rice. ripening. Temperature
Organism Keywords:Oryza. Oryza-sativa

Effect of inhibitors, water level and farmyard manure on mineral nitrogen fractions in a Typic Haplustept under rice/ Teekam Singh Banerjee N K Sharma N L

Journal of the Indian Society of Soil Science. 2003. 51 (2). 197-199 CD Volume:422

Keywords : ammonium. calcium-carbide. denitrification. dicyandiamide. farmyard-manure. Inceptisols. nitrate-nitrogen. nitrification. nitrification-inhibitors. nitrogen. rice. soil-types. soil-water-content. urease-inhibitors. use-

Effect of integrated use of inorganic fertilizers and FYM or green leaf manure on uptake and nutrient use efficiency of rice-rice system on an Inceptisol/Baskar K

Journal of the Indian Society of Soil Science. 2003. 51 (1). 47-51 CD Volume:422

Keywords : continuous-cropping. farmyard-manure. green-manures. Inceptisols. long-term-experiments. NPK-fertilizers. nutrient-uptake. plant-nutrition. rice. soil-types. use-efficiency. zinc-sulfate

Effect of nursery seeding date and phosphorus fertilization on rice seedling growth/Ashok Kumar K Reddy M D

International Rice Research Notes. 2003. 28(2). 50-52 CD Volume:416

Effect of organic and inorganic P fertilizers on sustainability of soil fertility and grain yield in a rice-pulse system/Selvi D Mahimairaja S Santhy P Rajkannan B

International Rice Research Notes. 2003. 28(2). 41-43 CD Volume:416

Effect of organic farming on management of rice brown planthopper/Sujeetha J Alice R P Venugopal M S

International Rice Research Notes. 2003. 28(2). 36-37 CD Volume:416

Effect of prilled urea and urea super granules on dynamics of ammonia volatilisation and nitrogen use efficiency of rice/ Jena D Misra C Bandyopadhyay K K

Journal of the Indian Society of Soil Science. 2003. 51 (3). 257-261 CD Volume:422

Keywords : ammonia. application-rates. crop-yield. cropping-systems. deep-placement. formulations. granules. Inceptisols. losses-from-soil. nitrogen-fertilizers. nutrient-uptake. prilling. rice. rice-straw. sequential-cropping. soil-types. straw. urea. use-efficiency. Volatilization

Effect of rice growth stages and silicon on sheath blight development/Rodrigues F A Vale F X R Datnoff L E Prabhu A S Korndorfer G H

Phytopathology. 2003. 93 (3). 256-261 CD Volume:413

Keywords : application-rates. chemical-composition. crop-growth-stage. disease-resistance. fungal-diseases. plant-composition. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. silicon. silicon-fertilizers
Organism Keywords:Oryza. Oryza-sativa. Rhizoctonia-solani

Effect of temperature on the rate limiting step in the methanogenic degradation pathway in rice field soil/Fey A Conrad R

Soil Biology & Biochemistry. 2003. 35 (1). 1-8 CD Volume:405

Keywords : biodegradation. enzyme-activity. enzymes. glucose. glucosidases. methane. methane-production. polysaccharides. rice-soils. soil-temperature. soil-types

Effect of variety and moisture content on the engineering properties of paddy and rice/Nalladurai K Alagusundaram K Gayathri P

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (2). 47-52 CD Volume:426

Keywords : angle-of-repose. bulk-density. diameter. food-grains. friction. length. moisture-content. particle-density. physical-properties. porosity. rice. shape. size. thickness. weight. Width

Effects of ammonia, urea plus calcium hydroxide and animal urine treatments on chemical composition and In sacco degradability of rice straw/Elseed A M A F Sekine J Hishinuma M Hamana K

Asian-Australasian Journal of Animal Sciences. 2003. 16 (3). 368-373 CD Volume:424

Keywords : ammonia. calcium-hydroxide. cellulose. chemical-composition. chemical-treatment. crude-protein. dry-matter. feeds. fibre-content. hemicelluloses. nutritive-value. rice. rice-straw. straw. urea. Urine

Effects of cheap talk on consumer willingness-to-pay for golden rice/Lusk J L

American Journal of Agricultural Economics. 2003. 85 (4). 840-856 CD Volume:418

Keywords : biotechnology. consumer-attitudes. consumer-behaviour. consumer-surveys. demand. genetic-engineering. marketing. marketing-techniques. rice. transgenic-plants. willingness-to-pay

Effects of cropping practices on the use of rice fields by waterbirds in the Camargue, France/Tourenq C Sadoul N Beck N Mesleard F Martin J L

Agriculture, Ecosystems & Environment. 2003. 95 (2-3). 543-549 CD Volume:405

Keywords : cropping-systems. plant-pests. rice. species-richness **Geographic Locator:France**

Effects of fly ash and *Helminthosporium oryzae* on growth and yield of three cultivars of rice/ Singh L P Siddiqui Z A

Bioresource Technology. 2003. 86 (1). 73-78 CD Volume:406

Keywords : application-rates. crop-yield. fly-ash. growth. Rice Organism
Keywords:Cochliobolus-miyabeanus. Oryza. Oryza-sativa Supplemental. Cochliobolus. Dothideales. Ascomycotina. Eumycota. fungi. Oryza. Poaceae. Cyperales. monocotyledons. angiosperms. Spermatophyta. Plants

Effects of foraging waterfowl in winter flooded rice fields on weed stress and residue decomposition/Groenigen J W van Burns E G Eadie J M Horwath W R Kessel C van
Agriculture, Ecosystems & Environment. 2003. 95 (1). 289-296 CD Volume:405

Keywords : biomass. crop-residues. crop-yield. decomposition. flooded-rice. flooding. foraging. organic-farming. rice. spring. sustainability. waterfowl. weed-control. Weeds

Effects of methanol extracts from *Ophiopogon japonicus* on rice blast fungus/Lin D Tsuzuki E Sugimoto Y Matsuo M

International Rice Research Notes. 2003. 28(2). 27-28 CD Volume:416

Effects of organic and inorganic P fertilizers on soil fertility and grain yield in a rice-pulse system/Selvi D Mahimairaja S Santhy P Rajkanman B

International Rice Research Notes. 2003. 28 (1). 56-58 CD Volume:416

Keywords : black-gram; cost-benefit-analysis; crop-yield; diammonium-phosphate; residual-effects; rice-; soil-fertility *Oryza*; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Pongamia; Papilionoideae; Fabaceae; Fabales; dicotyledons; *Vigna* Agricultural-Economics; Field-Crops; Plant-Production; Soil-Fertility; Fertilizers-and-other-Amendments

Efficacy of fungicides for control of rice tungro disease/Bhaktavatsalam G Mohanty SK Singh SK

International Rice Research Notes. 2003. 28 (1). 38-39 CD Volume:416

Keywords : carbendazim-; chemical-control; chlorothalonil-; edifenphos-; emulsifiable-concentrates; formulations-; granules-; iprobenfos-; iprodione-; mancozeb-; pesticidal-properties; plant-disease-control; plant-diseases; propiconazole-; rice-; thiophanate-methyl; validamycin-; virucides-; wettable-powders *Oryza*; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; viruses; plant-pathogens; pathogens; unclassified-plant-viruses; plant-viruses Field-Crops; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Pesticides-and-Drugs-Control; Pesticides-and-Drugs-Chemistry-and-Formulation

Efficiency and technical change in the Philippine rice sector: a Malmquist total factor productivity analysis/Umetsu C Lekprichakul T Chakravorty U

American Journal of Agricultural Economics. 2003. 85 (4). 943-963 CD Volume:418

Keywords : agricultural-development. crop-production. efficiency. geographical-variation. green-revolution. production-economics. production-functions. production-structure. productivity. rice. Technology

Evaluation of CMS lines for various floral traits that influence outcrossing in rice (*Oryza sativa* L.)/Singh RJ Shirisha Y Singh AK Singh A

International Rice Research Notes. 2003. 28 (1). 24-26 CD Volume:416

Keywords : hybridization-; hybrids-; outcrossing-; rice-; seed-set **Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics**

Evaluation of germination, cold tolerance, and seedling vigor of boro rice germplasm/Nilanjaya Thakur R Singh JRP Singh NK

International Rice Research Notes. 2003. 28 (1). 19-20 CD Volume:416

Keywords : cold-tolerance; genotypes-; geographical-distribution; germplasm-; plant-genetic-resources; rice-; seed-germination; vigour- **South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; South-East-Asia; ASEAN-Countries Field-Crops; Plant-Breeding-and-Genetics; Biological-Resources-Plant**

Evolution of non-enzymatic browning during storage of infant rice cereal/Ramirez Jimenez A Guerra Hernandez E Garcia Villanova B

Food Chemistry. 2003. 83 (2). 219-225 CD Volume:406

Keywords : colour. furosine. HMF. humidity. lysine. Maillard-reaction. modified-atmosphere-storage. nitrogen. rice. storage-life. storage-quality. **Temperature**

Experimental research on dynamic friction coefficients of coated rice seeds/Yang MingJin Yang Ling He PeiXiang Li QingDong

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (1). 18-25 CD Volume:426

Keywords : coatings. computer-hardware. friction. rice. seeds. sensing. **Sensors**

Explaining yield gaps on farmer-identified degraded and non-degraded soils in a Sahelian irrigated rice scheme/Asten P J A van Wopereis M C S Haefele S Isselmou M O Kropff M J

NJAS - Wageningen Journal of Life Sciences. 2003. 50 (3/4). 277-296 CD Volume:418

Keywords : alkalization. application-rates. carbonates. crop-yield. degraded-land. flooded-rice. irrigation. nitrogen. nitrogen-fertilizers. nutrients. phosphorus. phosphorus-fertilizers. productivity. rice. saline-soils. slope. sodic-soils. soil-alkalinity. soil-pH. soil-types

Exposure of Bangladeshi rice farmers to early flood risk/Shankar B

International Rice Research Notes. 2003. 28(2). 60-61 CD Volume:416

Extent of women's involvement in Indian rice cultivation/Sumathi P Budhar MN

International Rice Research Notes. 2003. 28 (1). 74-76 CD Volume:416

Keywords : **agricultural-production; crop-production; cultivation-; farm-workers; farmers-; participation-; rice-; women- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; India; Homo; Hominidae; Primates; mammals; vertebrates; Chordata; animals Agricultural-Economics; Labour-and-Employment;**

FIBEX-treated rice straw as a feed ingredient for lactating dairy cows/Weimer P J Mertens D R Ponnampalam E Severin B F Dale B E

Animal Feed Science and Technology. 2003. 103 (1/4). 41-50 CD Volume:406

Keywords : **ammonia-treatment. cows. dairy-cattle. dairy-performance. feed-intake. fibre. lactation. milk. milk-composition. milk-yield. rice. rice-straw. Straw**

Fingerprinting the rice isolates of *R. solani* Kuhn using RAPD markers/Singh V Singh M Singh U S Singh K

International Rice Research Notes. 2003. 28(2). 28-30 CD Volume:416

First report of narrow brown leaf spot disease of rice in West Bengal, India/Biswas A

International Rice Research Notes. 2003. 28(2). 35 CD Volume:416

First report of sheath brown rot of rice in China and characterization of the causal organism by phenotypic tests and Biolog/Xie GuanLin Xie GL

International Rice Research Notes. 2003. 28 (1). 50-52 CD Volume:416

Keywords : **geographical-distribution; new-geographic-records; plant-diseases; plant-pathogenic-bacteria; plant-pathogens; rice- East-Asia; Asia; Developing-Countries; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Pseudomonas; Pseudomonadaceae; Gracilicutes; bacteria; prokaryotes Field-Crops; Viral-Bacterial-and-Fungal-Diseases-of-Plants;**

First semidwarf boro rice (*Oryza sativa*) germplasm collected in eastern Uttar Pradesh, India, breeds true/Chaudhary N Chaudhary RC Chaturvedi ON Verma IJ Dubey DN

International Rice Research Notes. 2003. 28 (1). 31 CD Volume:416

Keywords : **descriptions-; genotypes-; plant-breeding; rice-; yield-components South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; India Field-Crops; Plant-Breeding-and-Genetics; Plant-Morphology-and-Structure**

Flagellin from an incompatible strain of *Acidovorax avenae* mediates H₂O₂ generation accompanying hypersensitive cell death and expression of PAL, Cht-1, and PBZ1, but not of LOX in rice/Tanaka N Che FangSik Watanabe N Fujiwara S Takayama S Isogai A
Molecular Plant-Microbe Interactions. 2003. 16 (5). 422-428 CD Volume:414

Keywords : enzyme-activity. enzymes. gene-expression. genes. hydrogen-peroxide. lipoxigenase. phenylalanine-ammonia-lyase. plant-pathogenic-bacteria. plant-pathogens. rice

Front-line demonstration performance of salt-tolerant rice varieties in coastal saline soils/Sawardekar SV Dhane SS Jadhav BB

International Rice Research Notes. 2003. 28 (1). 73-74 CD Volume:416

Keywords : coastal-areas; constraints-; crop-production; cultivars-; extension-; rice-; saline-soils; soil-fertility; soil-salinity; technology- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; India; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Extension-and-Advisory-Work; Agricultural-Economics; Natural-Resource-Economics; Field-Crops; Plant-Production; Soil-Chemistry-and-Mineralogy; Soil-Fertility; Land-Resources

Genome-wide analysis of mariner-like transposable elements in rice reveals complex relationships with Stowaway miniature inverted repeat transposable elements (MITEs)/Feschotte C Swamy L Wessler S R nts

Genetics. 2003. 163 (2). 747-758 CD Volume:412

Keywords : genomes. nucleotide-sequences. rice. transposable-elements Organism
Keywords:Oryza. Oryza-sativa

GIS-based scheduling and monitoring irrigation delivery for rice irrigation system. Part II. Monitoring/Rowshon M K Kwok C Y Lee T S

Agricultural Water Management. 2003. 62 (2). 117-126, CD Volume:406

Keywords : computer-software. geographical-information-systems. irrigation-scheduling. irrigation-systems. irrigation-water. monitoring. rice. water-balance. water-distribution. water-management. water-supply. water-use-efficiency

GIS-based scheduling and monitoring of irrigation delivery for rice irrigation system. Part I. Scheduling/Rowshon M K Kwok C Y Lee T S

Agricultural Water Management. 2003. 62 (2). 105-116, CD Volume:406

Keywords : computer-software. geographical-information-systems. irrigation-scheduling. irrigation-systems. irrigation-water. rice. spatial-distribution. temporal-variation. water-balance. water-distribution. water-management. water-supply

Impact of *Gliricidia sepium* and *Cassia spectabilis* hedgerows on weeds and insect pests of upland rice/MacLean R H Litsinger J A Moody K Watson A K Libetario E M
Agriculture, Ecosystems & Environment. 2003. 94 (3). 275-288 CD Volume:405

Keywords : **agroforestry. agroforestry-systems. agrosilvicultural-systems. alley-cropping. crop-weed-competition. crop-yield. cultural-control. green-manures. hedgerow-trees. insect-control. insect-pests. mulches. mulching. multipurpose-trees. pest-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. plant-pests. rice. soil-fertility. soil-temperature. soil-water. trees. weed-control. Weeds**

Impact of pulse applications of herbicides on biomass of grasses and sedges and their effects on the yield and yield components of direct wet-seeded rice/Awan I U Nadim M A Anjam F Hayat K

International Rice Research Notes. 2003. 28(2). 48-49 CD Volume:416

Impact of soil reclamation on productivity, income, and employment of rice farmers: a case study of the Krishnagiri Reservoir Project area/Shivakumar K M Budhar M N

International Rice Research Notes. 2003. 28(2). 58-59 CD Volume:416

In vitro selection of mature seed derived calli for increased tolerance towards Fe-toxicity in rice and their isozyme profiling/Mandal A B Roy B

Journal of Genetics & Breeding. 57(4). 2003. 325-340 CD Volume:435

Keywords : **rice; iron-stress; tissue-culture; isozyme-analyses; in-vitro-selection**

Induced systemic resistance to rice blast fungus in rice plants infested by white-backed planthopper/Kanno H Fujita Y

Entomologia Experimentalis et Applicata. 2003. 107 (2). 155-158 CD Volume:416

Keywords : **disease-resistance. fungal-diseases. induced-resistance. infestation. insect-pests. leaves. plant-diseases. plant-pathogenic-fungi. plant-pathogens. plant-pests. rice. Stems**

Induction of bacterial blight (*Xanthomonas oryzae* pv. *oryzae*) resistance in rice by treatment with acibenzolar-S-methyl/Babu R M Sajeena A Samundeeswari A V Sreedhar A Vidhyasekeran P Reddy M S

Annals of Applied Biology. 2003. 143 (3). 333-340 CD Volume:433

Keywords : **beta-glucanase. chitinase. disease-resistance. enzyme-activity. enzymes. induced-resistance. pathogenesis-related-proteins. phenolic-compounds. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. plant-proteins. Rice**

Induction of mitochondrial aldehyde dehydrogenase by submergence facilitates oxidation of acetaldehyde during re-aeration in rice/Tsuji H Meguro N Suzuki Y Tsutsumi N Hirai A Nakazono M

FEBS Letters. 2003. 546 (2/3). 369-373 CD Volume:404

Keywords : acetaldehyde. aeration. aldehyde-dehydrogenase. biochemical-pathways. enzyme-activity. enzymes. metabolism. mitochondria. oxidation. plant-proteins. Rice

Influence of different planting methods on wheat production after harvest of rice/Singh K K Jat A S Lohan S K Tulsa Rani

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (4). 18-19, 17 CD Volume:426

Keywords : combine-harvesters. combine-harvesting. crop-production. crop-yield. drilling. drills. energy-conservation. energy-consumption. energy-requirements. farm-inputs. fuel-consumption. labour-requirements. no-tillage. operating-costs. rice. sandy-loam-soils. soil-types. time. wheat

Influence of irrigation, nutrient management, and seed priming on yield and attributes of upland rice/Thomas U C Varughese K Thomas A

International Rice Research Notes. 2003. 28(2). 39-40 CD Volume:416

Influence of seedling mat characteristics and machine parameters on performance of self-propelled rice transplanter/ Chaudhary V P Varshney B P

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (2). 13-18, 38 CD Volume:426

Keywords : clay-loam-soils. equipment-performance. mats. mechanical-damage. performance-tests. rice. sandy-loam-soils. seedling-age. seedlings. silty-soils. soil-types. sowing-rates. transplanters. Transplanting

Inheritance of resistance to bacterial blight in 21 cultivars of rice/Lee K S Rasabandith S Angeles E R Khush G S

Phytopathology. 2003. 93 (2). 147-152 CD Volume:413

Keywords : alleles. crossing. cultivars. disease-resistance. genes. genetic-analysis. genetic-engineering. hybrids. inheritance. lines. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. races. rice. transgenic-plants

Inheritance of thermo-sensitive genic male sterility in rice/Latha R Thiyagarajan K Senthilvel
Journal of Genetics and Breeding. 2003. 57 (1). 89-91 CD Volume:418

Keywords : crosses-; cytoplasmic-male-sterility; gene-expression; genes-; genotypes-; heritability-; hybridization-; inheritance-; rice-; segregation- Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics

Integrated natural resource management for rice production/Kam S P

International Rice Research Notes. 2003. 28(2). 12-18 CD Volume:416

Integrated weed control in drum-seeded wet-seeded rice/Subramanian E Boopathi SNMR Srinivasan T

International Rice Research Notes. 2003. 28 (1). 42-43 CD Volume:416

Keywords : **chemical-control; glyphosate-; herbicides-; integrated-control; manual-weed-control; physical-control; pretilachlor-; rice-; weed-control; weeds-Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Weeds-and-Noxious-Plants; Environmental-Pest-Management; Integrated-Pest-Management; Pesticides-and-Drugs-Control**

Interactions between dietary phosphorus level, phytase supplementation and pelleting on performance and bone parameters of broilers fed high levels of rice bran/Ribeiro A M L Mireles A J Klasing K C

Animal Feed Science and Technology. 2003. 103 (1/4). 155-161 CD Volume:406

Keywords : **bone-ash. bone-strength. bones. broiler-performance. broilers. dicalcium-phosphate. enzyme-activity. feed-conversion. feed-intake. liveweight-gain. pelleting. phosphorus. phytase. phytic-acid. Poultry**

Iron toxicity in wetland rice: occurrence and management through integration of genetic tolerance with plant nutrition/ Sahrawat K L

Journal of the Indian Society of Soil Science. 2003. 51(4). 409-417 CD Volume:422

Keywords : **Iron-toxicity; occurrence; tolerance-to-iron; role-of-other-nutrients; integrated-approach**

Is the trap barrier system with a rice trap crop a reservoir for rice insect pests?/ Joshi R C Gergon E B Martin A R Bahatan A D Cabigat J B

International Rice Research Notes. 2003. 28(2). 30-31 CD Volume:416

Isolation and characterization of two fructokinase cDNA clones from rice/Jiang HuaWu Dian WeiMin Liu FeiYan Wu Ping

Phytochemistry. 2003. 62 (1). 47-52 CD Volume:405

Keywords : **amino-acids. clones. complementary-DNA. DNA-cloning. endosperm. enzyme-activity. fructokinase. fructose. gene-expression. genes. genomes. messenger-RNA. plant-proteins. rice. seeds. starch. Transcription Organism Keywords:Escherichia-coli. Oryza. Oryza-sativa**

Land preparatory tillage effect on soil physical environment and growth and yield of rice in a Vertisol/ Mohanty M Painuli D K

Journal of the Indian Society of Soil Science. 2003. 51 (3). 217-222 CD Volume:422

Keywords : **bulk-density. clay-fraction. cracking. crop-yield. growth. percolation. porosity. puddling. resistance-to-penetration. rice. roots. rotary-cultivators. seepage. silt-fraction. site-preparation. soil-density. soil-mechanics. soil-physical-properties. soil-types. soil-water-movement. surface-**

Land use change in rice, wheat and maize production in China (1961-1998)/Tong ChengLi
Hall C A S Wang H Q

Agriculture, Ecosystems & Environment. 2003. 95 (2-3). 523-536 CD Volume:405

Keywords : crop-production. crop-yield. fertilizers. land-use. maize. rice. Wheat

Leaf color chart-based N management in wet-seeded rice/Budhar MN Tamilselvan N

International Rice Research Notes. 2003. 28 (1). 63-64 CD Volume:416

Keywords : application-rates; colour-; cost-benefit-analysis; crop-growth-stage; crop-yield; cultivars-; income-; leaves-; nitrogen-fertilizers; rice-; use-efficiency South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants;

Liboga, a new, short-duration upland rice variety released in Republique Democratique du Congo/Mateso B Batondisa M Lienge B

International Rice Research Notes. 2003. 28 (1). 37 CD Volume:416

Keywords : characteristics-; crop-yield; grain-; habit-; rice- Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics; Plant-Morphology-and-Structure

Lienge, a new medium-duration upland rice variety released in Republique Democratique du Congo/Mateso B Kasongo M Mbuya K

International Rice Research Notes. 2003. 28 (1). 29-30 CD Volume:416

Keywords : crop-yield; disease-resistance; lodging-; rice-; stability- Central-Africa; Africa-South-of-Sahara; Africa; Developing-Countries; ACP-Countries; Francophone-Africa; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Field-Crops; Plant-Breeding-and-Genetics; Host-Resistance-and-Immunity

Logit models for identifying the factors that influence the uptake of new 'no-tillage' technologies by farmers in the rice-wheat and the cotton-wheat farming systems of Pakistan's Punjab/ Sheikh A D Rehman T Yates C M

Agricultural Systems. 2003. 75 (1). 79-95, CD Volume:406

Keywords : cotton. crop-production. decision-making. farm-management. farmers'-attitudes. farming-systems. innovation-adoption. mathematical-models. no-tillage. rice. socioeconomics. technology. Wheat

Low temperature induced spikelet sterility in rice. I. Nitrogen fertilisation and sensitive reproductive period/ Gunawardena T A Fukai S Blamey F P C

Australian Journal of Agricultural Research. 2003. 54 (10). 937-946 CD Volume:417

Keywords : anthers. cold. heading. meiosis. nitrogen-fertilizers. panicles. plant-development. pollen. reproduction. rice. shading. solar-radiation. sterility. temperature. tillering. Tillers

Low temperature induced spikelet sterility in rice. II. Effects of panicle and root temperatures/Gunawardena T A Fukai S Blamey F P C

Australian Journal of Agricultural Research. 2003. 54 (10). 947-956 CD Volume:417

Keywords : **anthers. cold. crop-damage. environmental-factors. foliage. germination. panicles. plant-development. plant-water-relations. pollen. rice. roots. sterility. stigma. Temperature**

Machine vision based guidance system for automatic rice transplanters/Chen B Tojo S Watanabe K

Applied Engineering in Agriculture. 2003. 19 (1). 91-97 CD Volume:423

Keywords : **automatic-guidance. automation. imagery. machine-vision. rice. seedlings. transplanters. Transplanting**

Managing crop residues, fertilizers and leaf litters to improve soil C, nutrient balances, and the grain yield of rice and wheat cropping systems in Thailand and Australia/Whitbread A Blair G Konboon Y Lefroy R Naklang K

Agriculture, Ecosystems & Environment. 2003. 100 (2/3). 251-263 CD Volume:405

Keywords : **Alfisols. application-rates. carbon. crop-residues. crop-yield. cropping-systems. farming-systems. fertilizers. flooded-rice. fodder-legumes. leys. litter-(plant). nitrogen. nutrient-balance. nutrient-deficiencies. organic-carbon. paddy-soils. phosphorus. potassium. red-soils. rice. rice-soils. rice-straw. rotations. sandy-soils. soil-fertility. soil-organic-matter. soil-types. straw. stubble. sulfur. sustainability. Ultisols. Wheat**

Managing pressmud cake for nitrogen and phosphorus nutrition of crops in a rice-wheat rotation/Yadvinder Singh Bijay Singh Gupta RK Khind CS Ladha JK

International Rice Research Notes. 2003. 28 (1). 59-61 CD Volume:416

Keywords : **application-rates; crop-yield; filter-cake; mineralization-; nitrogen-; nitrogen-fertilizers; nutrient-availability; organic-carbon; phosphorus-; phosphorus-fertilizers; plant-nutrition; residual-effects; rice-; rotations-; wheat- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; India; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Triticum Field-Crops; Plant-Nutrition; Plant-Production; Plant-Cropping-Systems; Soil-Biology; Fertilizers-and-other-Amendments**

Manuring option for maximizing the yield of quality rice/Selvi RV Subramanian P Mahendran S

International Rice Research Notes. 2003. 28 (1). 55-56 CD Volume:416

Keywords : **application-rates; crop-yield; economic-analysis; green-manures; nitrogen-fertilizers; organic-amendments; potassium-fertilizers; returns-; rice- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae;**

Methane emission from rice-wheat cropping system in the Indo-Gangetic plain in relation to irrigation, farmyard manure and dicyandiamide application/Pathak H Prasad S Arti Bhatia Shalini Singh Kumar S Singh J Jain M C

Agriculture, Ecosystems & Environment. 2003. 97 (1/3). 309-316 CD Volume:405

Keywords : **air-pollution. alluvial-soils. application-rates. cropping-systems. dicyandiamide. emission. farmyard-manure. greenhouse-gases. Inceptisols. irrigation. methane. nitrification. rice. soil-types. urea. wetting. Wheat**

Mode of gene action of inheritance for resistance to rice yellow mottle virus/Paul C P, Ng N Q, Ladeinde T A O *African Crop Science Journal. 2003. 11 (3). 143-150, CD Volume:418.*

Keywords : **backcrosses. crosses. disease-resistance. dominance. epistasis. genes. genetic-effects. heritability. inheritance. leaves. lines. plant-pathogens. rice**

Model development for nutrient loading from paddy rice fields/Chung SangOk Kim HyeonSoo Kim JinSoo *Agricultural Water Management. 2003. 62 (1). 1-17, CD Volume:406*

Keywords : **drainage-water. groundwater. irrigation-water. models. nitrogen. nutrients. percolation. phosphorus. polluted-water. rice. surface-water. water-pollution. water-quality**

Molecular genetic mapping of quantitative trait loci for plant height at different developmental stages in rice (*Oryza sativa* L.)/Dong Y Tsuzuki E Kamiunten H Terao H Lin D

Journal of Genetics & Breeding. 57(4). 2003. 305-312 CD Volume:435

Keywords : **quantitative-trait-loci-(QTLs); molecular-marker; plant-height; rice; Oryza-sativa-L**

Morphological development of rice caryopses located at the different positions in a panicle from early to middle stage of grain filling/Ishimaru T Matsuda T Ohsugi R Yamagishi T

Functional Plant Biology. 2003. 30 (11). 1139-1149 CD Volume:415

Keywords : **biological-development. cell-division. chemical-composition. crop-growth-stage. flowering. pericarp. plant-composition. plant-morphology. rice. seeds. Starch**

Morphological, thermal and rheological properties of starches separated from rice cultivars grown in India/Sodhi N S Narpinder Singh

Food Chemistry. 2003. 80 (1). 99-108 CD Volume:406

Keywords : **amylose. cultivars. morphology. physicochemical-properties. rheological-properties. rice. starch. synthesis. thermal-properties Geographic Locator:India. Indian-Punjab**

Natural variation at the Pi-ta rice blast resistance locus/Jia Y L Bryan G T Farrall L Valent B
Phytopathology. 2003. 93 (11). 1452-1459 CD Volume:413

Keywords : alleles. breeding-programmes. cultivars. disease-resistance. DNA. DNA-cloning. fungal-diseases. gene-expression. genes. genetic-diversity. genetic-markers. genetic-polymorphism. genetic-variation. haplotypes. introgression. loci. nucleotide-sequences. plant-breeding. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. susceptibility. Virulence

Nutrient budgets: sustainability assessment of rainfed lowland rice-based systems in northeast Thailand/Wijnhoud J D Konboon Y Lefroy R D B

Agriculture, Ecosystems & Environment. 2003. 100 (2/3). 119-127 CD Volume:405

Keywords : agricultural-production. case-studies. cropping-systems. databases. farmers'-income. farming-systems. income. indicators. land-management. land-use. nitrogen. nutrient-balance. phosphorus. potassium. rice. socioeconomics. soil-fertility. Sustainability

Osgtu3 and osgtu4, encoding tau class glutathione S-transferases, are heavy metal- and hypoxic stress-induced and differentially salt stress-responsive in rice roots/Moons A

FEBS Letters. 2003. 553 (3). 427-432 CD Volume:404

Keywords : abscisic-acid. cadmium. cobalt. enzymes. glutathione-transferase. heat-shock. hypoxia. jasmonic-acid. NAA. nickel. plant-growth-regulators. rice. salicylic-acid. salinity. stress. Zinc

Ospdr9, which encodes a PDR-type ABC transporter, is induced by heavy metals, hypoxic stress and redox perturbations in rice roots/Moons A

FEBS Letters. 2003. 553 (3). 370-376 CD Volume:404

Keywords : ascorbic-acid. ATP. cadmium. drug-resistance. gene-interaction. genes. heat-shock. hypoxia. jasmonic-acid. metal-tolerance. plant-growth-regulators. pleiotropy. rice. roots. salinity. stress. Zinc

Participatory assessment of medium-duration, high-yielding varieties for improved yield and efficient rice production in Bay Islands, Andaman/Pramanik SC Ghosh SS Sagar RL Nawaz S Chaudhuri SG

International Rice Research Notes. 2003. 28 (1). 17-18 CD Volume:416

Keywords : crop-yield; cultivars-; disease-resistance; economic-analysis; genetic-variation; pest-resistance; returns-; rice-; yield-components India; South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants Agricultural-Economics; Horticultural-Economics; Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Host-Resistance-and-Immunity

Performance evolution of self-propelled rice transplanter under different puddled field conditions and sedimentation periods/Chaudhary V P Varshney B P
AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (2). 23-33 CD Volume:426

Keywords : blades. equipment-performance. operating-costs. performance-tests. rice. row-spacing. savings. timeliness. transplanters. transplanting. wheel-slip

Performance of crossbred gilts fed on diets with higher levels of fat and fibre through addition of rice bran/Soren N M Bhar R Chhabra A K Mandal A B
Asian-Australasian Journal of Animal Sciences. 2003. 16 (11). 1650-1655 CD Volume:424

Keywords : dietary-fat. feed-supplements. fish-meal. gilts. growth. growth-rate. maize-bran. nutrition. nutritive-value. oestrous-cycle. oestrus. reproductive-performance. rice. rice-bran. soyabean-oilmeal. wheat-bran

Phosphorus input-output on an Ultisol cropped to upland rice in West Africa/Sahrawat KL
International Rice Research Notes. 2003. 28 (1). 61-62 CD Volume:416

Keywords : application-rates; biomass-; continuous-cropping; crop-yield; cultivars-; long-term-experiments; nutrient-balance; nutrient-content; nutrient-uptake; phosphorus-; phosphorus-fertilizers; rice-; rice-straw; soil-types; straw-; triple-superphosphate; Ultisols-; upland-rice West-Africa; Africa-South-of-Sahara; Africa; Developing-Countries; ACP-Countries; Francophone-Africa;

Physico-chemical, morphological, thermal, cooking and textural properties of chalky and translucent rice kernels/Narpinder Singh Sodhi N S Manmeet Kaur Saxena S K
Food Chemistry. 2003. 82 (3). 433-439 CD Volume:406

Keywords : amylose. bulk-density. calorimetry. chemical-composition. cooking-quality. hardness. kernels. morphology. physicochemical-properties. rice. scanning-electron-microscopy. texture. thermal-properties. translucence. water-uptake. Weight

Population structure and its effect on haplotype diversity and linkage disequilibrium surrounding the xa5 locus of rice (*Oryza sativa* L.)/Garris A J McCouch S R Kresovich S
Genetics. 2003. 165 (2). 759-769 CD Volume:412

Keywords : disease-resistance. ecotypes. fungal-diseases. genes. genetic-diversity. haplotypes. heterogeneity. linkage. loci. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. recessiveness. rice. Traits

Positive externalities and water service management in rice-based irrigation systems of the humid tropics/Renault D Montginoul M
Agricultural Water Management. 2003. 59 (3). 171-189, CD Volume:406

Keywords : evapotranspiration. irrigation-systems. plant-water-relations. rice. water-management. water-use-efficiency

Possibility of using flyash as a source of silica for increasing rice productivity on a reclaimed alkali soil/Mongia A D Chhabra R Khajanchi Lal

Journal of the Indian Society of Soil Science. 2003. 51 (1). 89-91 CD Volume:422

Keywords : **Alfisols. alkaline-soils. crop-yield. fly-ash. leaching. nutrient-availability. nutrient-uptake. plant-nutrition. reclaimed-soils. reclamation. rice. rice-straw. silica. soil-amendments. soil-types. Straw**

Potential for autumn aeration of stored rough rice and the potential number of generations of *Sitophilus zeamais* Motschulsky in milled rice in Japan/Arthur F H Takahashi K Hoernemann C K Soto N

Journal of Stored Products Research. 2003. 39 (5). 471-487 CD Volume:404

Keywords : **air-flow. insect-pests. relative-humidity. reproduction. rice. simulation-models. storage. stored-products. stored-products-pests. Temperature Geographic Locator:Hokkaido. Japan. Kyushu**

Predicting regional rice production in South Korea using spatial data and crop-growth modeling/Yun J I

Agricultural Systems. 2003. 77 (1). 23-38, CD Volume:406

Keywords : **altitude. crop-yield. environmental-factors. growth-models. precipitation. precision-agriculture. rice. solar-radiation. temperature. weather. yield-forecasting**

Prediction of the performance of a rotary kiln incinerator in treating rice hulls/Wu C H Lee C P Dai C Y

Transactions of the ASAE. 2003. 46 (2). 367-381 CD Volume:420

Keywords : **agricultural-production. agricultural-products. agricultural-wastes. burning. crop-residues. equipment-performance. heat-treatment. kilns. performance-tests. pyrolysis. rice. rice-husks. temperature. velocity. waste-management**

Price dynamics in the Bangladesh rice market: implications for public intervention/ Brennan D

Agricultural Economics. 2003. 29 (1). 15-25, CD Volume:406

Keywords : **commodity-markets. costs. dynamic-models. finance. government-policy. incentives. intervention. market-prices. price-elasticities. price-stabilization. rice. storage. Subsidies**

Productivity gains from rice genetic enhancements in West Africa: countries and ecologies/Dalton T J Guei R G

World Development (Oxford) 2003. 31 (2). 359-374 CD Volume:406

Keywords : **agricultural-research. crop-production. crop-yield. cultivars. ecology. improved-varieties. investment. productivity. returns. rice. welfare-economics**

Profit efficiency among Bangladeshi rice farmers/Rahman S

Food Policy. 2003. 28 (5/6). 487-503 CD Volume:406

Keywords : crop-production. cultivars. efficiency. farm-surveys. farmers. high-yielding-varieties. production-economics. production-structure. productivity. profitability. profits. Rice

Proteomic analysis reveals developmentally expressed rice homologues of grass group II pollen allergens Functional/ Tursun Kerim Nijat Imin Weinman J J Rolfe B G

Plant Biology. 2003. 30 (8). 843-852 CD Volume:415

Keywords : allergens. allergies. amino-acid-sequences. antibodies. asthma. gene-expression. plant-proteins. pollen. rice. signal-peptide

Puddlability and structural regeneration of a rice soil amended with waste organic residue/Sharma P K Lav Bhushan

Journal of the Indian Society of Soil Science. 2003. 51 (2). 189-191 CD Volume:422

Keywords : acid-soils. aggregates. Alfisols. bulk-density. clay-loam-soils. crop-residues. organic-amendments. porosity. puddling. rice-soils. silty-soils. soil-structure. soil-texture. soil-types

Puddling depth and intensity effects in rice-wheat system on a sandy loam soil. I. Development of subsurface compaction/Kukal S S Aggarwal G C

Soil & Tillage Research. 2003. 72 (1). 1-8 CD Volume:405

Keywords : bulk-density. cropping-systems. Inceptisols. puddling. resistance-to-penetration. rice. sandy-loam-soils. soil-compaction. soil-types. Wheat

Puddling depth and intensity effects in rice-wheat system on a sandy loam soil: II. Water use and crop performance/ Kukal S S Aggarwal G C

Soil & Tillage Research. 2003. 74 (1). 37-45 CD Volume:405

Keywords : crop-yield. Inceptisols. irrigation-requirements. irrigation-water. percolation. plant-water-relations. puddling. residual-effects. rice. roots. sandy-loam-soils. soil-types. soil-water-movement. temperature. use-efficiency. water-use. Wheat

Puddling effects on soil physical properties and rice performance under shallow water table conditions of Tarai/Tripathi R P Gaur M K Rawat M S

Journal of the Indian Society of Soil Science. 2003. 51 (2). 118-124 CD Volume:422

Keywords : aggregates. bulk-density. clay-loam-soils. crop-yield. hydraulic-conductivity. infiltration. leaves. Mollisols. plant-water-relations. porosity. puddling. resistance-to-penetration. rice. roots. soil-physical-properties. soil-types. soil-water-retention. water-table. xylem-water-potential Geographic Locator:India. Uttaranchal

Raised-sunken bed system for increasing productivity of rice-based cropping system in high rainfall areas of Himachal Pradesh/Sharma P K

Journal of the Indian Society of Soil Science. 2003. 51 (1). 10-16 CD Volume:422

Keywords : clay-loam-soils. crop-yield. cropping-systems. matric-potential. rain. raised-beds. rice. silty-soils. soil-types. soil-water-content. submergence. surface-drainage. water-harvesting Geographic Locator:Himachal-Pradesh. India

Residual effect of nitrogen on rice productivity following tree removal of *Acacia nilotica* in a traditional agroforestry system in central India/Pandey C B Sharma D K

Agriculture, Ecosystems & Environment. 2003. 96 (1/3). 133-139 CD Volume:405

Keywords : agroforestry. agroforestry-systems. carbon-nitrogen-ratio. crop-yield. cropping-systems. multipurpose-trees. nitrogen. organic-carbon. residual-effects. rice. soil-organic-matter. Trees

Response of rice plants to rat damage at the reproductive phase/Islam Z Hossain M

International Rice Research Notes. 2003. 28 (1). 45-46 CD Volume:416

Keywords : crop-growth-stage; crop-yield; plant-pests; reproduction-; rice-; vertebrate-pests; yield-losses Bandicota; Murinae; Muridae; rodents; mammals; vertebrates; Chordata; animals; small-mammals; South-Asia; Asia; Least-Developed-Countries; Developing-Countries; Commonwealth-of-Nations; Oryza;

Rice cultivar differences in suppression of barnyardgrass (*Echinochloa crus-galli*) and economics of reduced propanil rates/Gealy D R Wailes E J Estorninos L E Jr Chavez R S C

Weed Science. 2003. 51 (4). 601-609 CD Volume:422

Keywords : agricultural-economics. application-rates. chemical-control. cost-benefit-analysis. crop-quality. crop-weed-competition. crop-yield. cultivars. herbicides. propanil. returns. rice. weed-control. Weeds

Rice F1 hybrids: the breeding goal or a costly solution?/ Ntanos D A Roupakias D G

Australian Journal of Agricultural Research. 2003. 54 (10). 1005-1011 CD Volume:417

Keywords : crop-quality. crop-yield. cultivars. hybrids. inbred-lines. plant-breeding. recombination. Rice

Rice growth and yield respond to changes in water depth and salinity stress/Zeng L H Lesch S M Grieve C M *Agricultural Water Management*. 2003. 59 (1). 67-75, CD Volume:406

Keywords : calcium-chloride. crop-yield. electrical-conductivity. panicles. plant-water-relations. rice. salinity. seedling-growth. seedlings. sodium-chloride. stress. stress-response. water-table

Rice HMGB1 protein recognizes DNA structures and bends DNA efficiently/Wu Q Zhang W Pwee KH Kumar PP

Arch Biochem Biophys 2003 Mar 1;411(1):105-11 CD Volume:407

Keywords : **Base Sequence. Circular Dichroism. DNA. DNA, Complementary. HMGB1 Protein. *Nucleic Acid Conformation. Oligodeoxyribonucleotides. Oryza sativa.**

Rice mill waste as organic manure on a degraded Alfisol/Schulz S Tian G Oyewole B Bako S
Agriculture, Ecosystems & Environment. 2003. 100 (2/3). 221-230 CD Volume:405

Keywords : **Alfisols. application-rates. crop-yield. decomposition. disturbed-soils. maize. milling-byproducts. nitrogen. NPK-fertilizers. organic-amendments. organic-carbon. phosphorus. rice. soil-chemical-properties. soil-fertility. soil-organic-matter. soil-types**

Rice processing industry in Punjab: problems and their remedies/Sekhon M K Rangi P S Manjeet Kaur

Indian Journal of Agricultural Economics. 2003. 58 (3). 544-553 CD Volume:435

Keywords : **constraints-; milling-industry; mills-; processing-; production-structure; rice-; trends- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-;**

Rice seedlings release momilactone B into the environment/Kato Noguchi H Ino T

Phytochemistry. 2003. 63 (5). 551-554 CD Volume:405

Keywords : **allelopathins. allelopathy. chemical-composition. cress. endogenous-growth-regulators. growth-inhibitors. lactones. plant-composition. plant-growth-regulators. rice. root-exudates. Seedlings**

Rice straw degradation and biomass synthesis by rumen micro-organisms in continuous culture in response to ammonia treatment and legume extract supplementation/Broudiscou L P Agbagla Dobnani A Papon Y Cornu A Grenet E Broudiscou A F

Animal Feed Science and Technology. 2003. 105 (1/4). 95-108 CD Volume:406

Keywords : **ammonia. experimental-diets. grain-legumes. lucerne. rice. rice-straw. rumen-digestion. straw. volatile-fatty-acids**

Rice straw-wood particle composite for sound absorbing wooden construction materials/Yang HanSeung Kim DaeJun Kim HyunJoong

Bioresource Technology. 2003. 86 (2). 117-121 CD Volume:406

Keywords : **building-materials. composite-boards. construction. insulation. particleboards. rice. rice-straw. sounds. specific-gravity. straw. strength. Wood**

Rice yellow mottle virus is transmitted by cows, donkeys, and grass rats in irrigated rice crops/Sarra S Peters D

Plant Disease. 2003. 87 (7). 804-808 CD Volume:415

Keywords : **disease-transmission. disease-vectors. plant-pathogens. plant-pests. rice. seedlings. stubble. vertebrate-pests**

Screening of rice genotypes for resistance to leafhopper, *Cnaphalocrocis medinalis* GuenTe, and stem borer, *Scirpophaga incertulas* Walker/Gupta S P Singh R A Dwivedi J L Chaudhary R C

International Rice Research Notes. 2003. 28(2). 32 CD Volume:416

Sheath rot management in rice with fungicides and biopesticides/Thapak SK Thrimurthy VS Dantre RK

International Rice Research Notes. 2003. 28 (1). 41 CD Volume:416

Keywords : **botanical-pesticides; carbendazim; edifenphos; fungal-diseases; insecticidal-plants; insecticides; non-wood-forest-products; plant-disease-control; plant-diseases; plant-pathogenic-fungi; plant-pathogens; prochloraz; propiconazole; propineb; rice; thiophanate-methyl Azadirachta; Meliaceae; Sapindales; dicotyledons; angiosperms; Spermatophyta; plants; South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Lantana; Verbenaceae; Lamiales; India; Oryza; Poaceae; Cyperales; monocotyledons; Sarocladium; Deuteromycotina; Eumycota; fungi Field-Crops; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Pesticides-and-Drugs-Control; Non-wood-Forest-Products; Non-food/Non-feed-Plant-Products**

Soil enzymatic activity and growth of rice and barley as influenced by organic manure in an anthropogenic soil/Liang YongChao Yang YanFang Yang ChaoGuang Shen QiRong Zhou JianMin Yang LinZhang

Geoderma. 2003. 115 (1/2). 149-160 CD Volume:405

Keywords : **alluvium. application-rates. barley. biological-activity-in-soil. chemical-composition. enzyme-activity. growth. nutrient-uptake. paddy-soils. phosphoric-monoester-hydrolases. pig-manure. plant-composition. plant-nutrition. respiration. rice. rice-straw. roots. saline-soils. salt-tolerance. shoots. sodium. soil-air. soil-enzymes. soil-fertility. soil-types. straw. tillering. Urease**

Sprinkler irrigation management strategies as a function of $\delta Kc\ddot{o}$ and mineral fertilization on upland rice crop/Crusciol C A C Arf O Soratto R P Rodrigues R A F Machado J R

Bragantia. 2003. 62 (1). 467-475 CD Volume:410

Keywords : **Oryza-sativa-L; water-levels; yields-components; levels-fertilization**

Strip tillage characteristics of rotary tiller blades for use in a dryland direct rice seeder / Lee K S Park S H Park W Y Lee C S

Soil & Tillage Research. 2003. 71 (1). 25-32 CD Volume:405

Keywords : blades. direct-sowing. discs. drills. labour-requirements. minimum-tillage. rice. rotary-cultivation. rotary-cultivators. sandy-loam-soils. seedbed-preparation. seedbeds. soil-types. torque. Tractors

Structure and catalytic mechanism of the cytosolic D-ribulose-5-phosphate 3-epimerase from rice/Jelakovic Stefan Kopriva Stanislav Suess Karl Heinz Schulz Georg E

Journal of Molecular Biology. 2003. 326 (1). 127-135 CD Volume:407

Keywords : Enzymology-: Biochemistry-and-Molecular-Biophysics D-ribulose-5-phosphate-3-epimerase: 9024-20-8, catalytic-mechanism, structure-; EDTA-: 60-00-4; bound-zinc; zinc(II)-ion: 23713-49-7

Studies on optimization of puddled soil characteristics for self-propelled rice transplanter/Behera B K Varshney B P

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2003. 34 (3). 12-16 CD Volume:426

Keywords : clay-loam-soils. efficiency. geological-sedimentation. mortality. optimization. pans. puddling. rice. self-propelled-machines. silty-soils. sinkage. soil-types. spacing. traction. transplanters. transplanting. wheel-slip. wheels. work-capacity

Studies on the in vitro starch digestibility and the glycemic index of six different indigenous rice cultivars from the Philippines/Frei M Siddhuraju P Becker K

Food Chemistry. 2003. 83 (3). 395-402 CD Volume:406

Keywords : amylose. cooking. cultivars. enzyme-activity. enzymes. glycaemic-index. hydrolysis. in-vitro-digestibility. refrigeration. rice. starch-digestion. Storage

Technical efficiency of rice, groundnut and cotton farms in Tamil Nadu/Shanmugam K R

Indian Journal of Agricultural Economics. 2003. 58 (1). 101-114 CD Volume:422

Keywords : cotton. crop-production. crop-yield. cultivation. efficiency. farm-surveys. groundnuts. input-output-analysis. production-economics. production-functions. rice. stochastic-models

The effect of agronomic improvement and urea treatment on the nutritional value of Malaysian rice straw varieties/ Vadiveloo J

Animal Feed Science and Technology. 2003. 108 (1/4). 133-146 CD Volume:406

Keywords : crude-protein. cultivars. feed-grains. genetic-distance. nutritive-value. rice. rice-straw. straw. Urea

The effect of nitrogen on rice grain iron/Prom u thai C Rerkasem B

International Rice Research Notes. 2003. 28(2). 37-38 CD Volume:416

The effects of gamma irradiation on rice wine maturation/Chang ChingZu [Chang C Z A]
Food Chemistry. 2003. 83 (3). 323-327 CD Volume:406

Keywords : alcohols. aldehydes. chemical-composition. esters. fermentation. gamma-radiation. gas-chromatography. irradiation. maturation. rice. sensory-evaluation. titratable-acidity. volatile-compounds. Wines

The influence of commodity programs on acreage response to market price: with an illustration concerning rice policy in the United States/McDonald J D Sumner D A
American Journal of Agricultural Economics. 2003. 85 (4). 857-871 CD Volume:418

Keywords : acreage. agricultural-economics. agricultural-policy. commodities. commodity-markets. farm-size. government-policy. market-prices. rice. Supply

The replacement value of sorghum and maize with or without supplemental enzymes for rice in extruded dog foods/Twomey L N Pluske J R Rowe J B Choct M Brown W Pethick D W
Animal Feed Science and Technology. 2003. 108 (1/4). 61-69 CD Volume:406

Keywords : diets. digestibility. enzymes. faeces. glycosidases. maize. pet-foods. rice. supplementary-feeding. volatile-fatty-acids

The right way to process rice/Baksh

African Farming and Food Processing. 2003. September-October. 26-28, CD Volume:418

Keywords dry-processing; storage; sacking; wet-processing

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 Volume:406

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

Toxoflavin produced by *Burkholderia glumae* causing rice grain rot is responsible for inducing bacterial wilt in many field crops/Jeong Yeonhwa Kim Jinwoo Kim Suhyun Kang YongSung Nagamatsu T Hwang Ingyu

Plant Disease. 2003. 87 (8). 890-895 CD Volume:415

Keywords : aubergines. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. potatoes. rice. sesame. sunflowers. tomatoes. Wilts

Tracing Fissure Information by Scanning Electron Microscopy Characterization of Naturally Fissured Surfaces of Rice Kernels/Zhang Q Yang W Howard L Earp C F

Transactions of the ASAE. 2003. 46 (6). 1583-1588 CD Volume:420

Keywords : Fissure; Fracture-surface; Rice; Scanning-electron-microscopy

Trends in maize, rice, and wheat yields for 188 nations over the past 40 years: a prevalence of linear growth/Hafner S

Agriculture, Ecosystems & Environment. 2003. 97 (1/3). 275-283 CD Volume:405

Keywords : crop-yield. gross-national-product. latitude. maize. nitrogen-fertilizers. rice. time-series. trends. wheat. yield-forecasting Organism
Keywords:Oryza. Oryza-sativa. Triticum. Triticum-aestivum. Zea-mays

Triazophos resistance mechanisms in the rice stem borer (*Chilo suppressalis* Walker)/Qu MingJing Han ZhaoJun Xu XinJun Yue Lina

Pesticide Biochemistry and Physiology. 2003. 77 (3). 99-105 CD Volume:405

Keywords : abamectin. acetylcholinesterase. enzyme-activity. enzymes. esterases. glutathione-transferase. insect-pests. insecticide-resistance. methamidophos. methomyl. pesticide-synergists. plant-pests. synergism.

Ultrastructural and cytochemical aspects of silicon-mediated rice blast resistance/Rodrigues F A Benhamou N Datnoff L E Jones J B Belanger R R

Phytopathology. 2003. 93 (5). 535-546 CD Volume:413

Keywords : cell-ultrastructure. cell-walls. chitin. defence-mechanisms. disease-resistance. fungal-diseases. growth. hyphae. leaves. phytoalexins. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. Silicon

Use of an antisense gene to characterize glutathione S-transferase functions in transformed suspension-cultured rice cells and calli/Deng F Jelesko J Cramer C L Wu J R Hatzios K K

Pesticide Biochemistry and Physiology. 2003. 75 (1/2). 27-37 CD Volume:405

Keywords:callus. cell-lines. cinnamic-acid. complementary-DNA. coumaric-acids. detoxification. fenclorim. genes. genetic-transformation. glufosinate. glutathione. glutathione-transferase. herbicide-resistance. herbicides. in-vitro-culture. lines. messenger-RNA. phenylalanine. pretilachlor. rice. tissue-culture. transgenic-plants. transposable-elements. wild-relatives

Use of gamma-rays sensitivity for discrimination of upland rice cultivars of groups -indica and Japonica/Rodrigues L R F Ando A

Bragantia. 2003. 62 (2). 179-188 CD Volume:410

Keywords : rice; gamma-radiation; multivariate-analysis; canonic-variables

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Critical assessment of the system of rice intensification (SRI)/ A. Dobermann

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Keywords : **application-date. denitrification. fertilizers. hydrolysis. immobilization. leaching. mineralization. nitrate. nitrification. nitrogen. nutrient-balance. nutrient-uptake. rice. simulation-models. soil-water-balance. urea. volatilization. weather**

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Agricultural Systems. 2004. 79 (3). 261-281 CD Volume : 430

Keywords : **crop-production. crop-yield. flooding. irrigation. reviews. rice. soil-fertility**

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International Rice Research Notes. 2004. 29 (2). 45-47 CD Volume : 432

Keywords : **computer-software; interactions-; internet-; rice-; statistical-analysis animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Information-and-Documentation; Field-Crops; Mathematics-and-Statistics; Animal-Ecology**

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Keywords : **crop-quality. cultivars. innovation-adoption. mathematical-models. new-variety. quality. rice. upland-rice. willingness-to-pay**

A method for transforming rice stinkbug counts in rice/ Mu Mu Thein Singh V S Chander S Kalra N

International Rice Research Notes. 2004. 29 (2). 28-30 CD Volume :432

Keywords : **insect-pests; plant-pests; population-density; rice-; statistical-analysis; variance- India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Leptocorisa-; Coreidae-; Heteroptera-; Hemiptera-; insects-; arthropods-; invertebrates-; animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Pests; Mathematics-and-Statistics**

A novel inoculation method of Magnaporthe grisea for cytological observation of the infection process using intact leaf sheaths of rice plants/ Koga H Dohi K Nakayachi O Mori M

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Keywords : **apoptosis. cytology. disease-resistance. inoculation. leaf-sheaths. leaves. lines. plant-pathogenic-fungi. plant-pathogens. Rice Organism Keywordsfungi. Magnaporthe-grisea. Oryza. Oryza-sativa**

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Keywords : **cultivars-; rice-; salinity-; salt-tolerance; screening-; seed-germination; seed-testing; seeds-; techniques-; varietal-tolerance Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-Field-Crops; Plant-Breeding-and-Genetics; Environmental-Tolerance-of-Plants; Composition-and-Quality-of-Non-food-Non-feed-Plant-Products; Techniques-and-Methodology**

A web-based software for randomization tests of cluster analysis of invertebrate biodiversity in a rice ecosystem /Zhang WenJun Zhang RunJie Gu DeXiang

International Rice Research Notes. 2004. 29 (2). 32-34 CD Volume : 432

Keywords : biodiversity-; cluster-analysis; computer-software; internet-; rice-; statistical-analysis animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Information-and-Documentation; Field-Crops; Mathematics-and-Statistics; Animal-Ecology

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Keywords : application-date; chemical-control; farmers'-attitudes; fenobucarb-; food-contamination; food-safety; harvesting-date; insect-control; insect-pests; insecticides-; pest-control; pesticide-residues; plant-pests; rice-Nilaparvata-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Hemiptera-; insects-; arthropods-; invertebrates-; animals-; Oryza-; Poaceae-; Cyperales

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Keywords : adsorbents. adsorption. carbon. chromium. heavy-metals. pH. pollutants. pollution. public-health. removal. rice-husks

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Applied Engineering in Agriculture. 2004. 20 (4). 487-494 CD Volume : 435

Keywords : crop-quality. cross-flow-driers. drying-air. drying-temperature. food-grains. grain-driers. grain-drying. moisture-content. postharvest-systems. relative-humidity. rice

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Keywords : *Alleles. Amino Acid Substitution. Base Sequence. Comparative Study. DNA-Binding Proteins. Gene Deletion. Haplotypes. Molecular Sequence Data. Oryza sativa. Phenotype. *Plant Proteins. *Proto-Oncogene Proteins c-myb. Sequence

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Analysis of competition between wet-seeded rice and barnyardgrass (*Echinochloa crus-galli*) using a response-surface model/Ni HanWen Moody K Robles R P
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Keywords : **crop-weed-competition. crop-yield. models. plant-density. rice. weeds. yield-forecasting**

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Keywords : **chemical-composition. milling. physicochemical-properties. rice. sensors. sensory-evaluation. tastes**

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Keywords : **Biochemistry-and-Molecular-Biophysics; Pharmacognosy-Pharmacology- antibacterial-diterpenes fatty-acid-conjugates; myristoyloxy-kaurene; oryzalide- antibacterial-diterpenes, fatty-acid-conjugates; palmitoyloxy-kaurene bacterial-blight bacterial-disease**

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Keywords : **alluvial-soils. application-rates. crop-yield. cropping-systems. diammonium-phosphate. Inceptisols. phosphorus-fertilizers. plant-nutrition. returns. rice. rock-phosphate. root-inoculation. seed-inoculation. soil-types. use-efficiency. wheat**

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Keywords : acid-sulfate-soils. animal-manures. crop-yield. field-experimentation. Inceptisols. nutrient-availability. phosphorus. phosphorus-fertilizers. pot-experimentation. residual-effects. rice. soil-types

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Keywords : biological-control. biological-control-agents. fungal-antagonists. fungal-diseases. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. seeds

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Keywords : Taxation and Subsidies Incidence. Economic Development Agriculture; Natural Resources; Energy; Environment; Other Primary Products. Collectives; Communes; Agriculture. Agriculture Aggregate Supply and Demand Analysis; Prices. Agricultural Policy; Food Policy

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Keywords : automation. colour. geometry. image-analysis. image-processing. kernels. rice. texture

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Keywords : biochemical-receptors. disease-resistance. gene-expression. genes. genetic-resistance. immunity. kinases. pathogenesis-related-proteins. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. rice. strain-differences. strains

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Keywords : crop-production. crop-yield. economic-analysis. innovation-adoption. intensification. methodology. productivity. rice. risk. technical-progress. technology

Between-habitat movement of rice arthropods and its ecological role/Zhang WenJun Qi YanHong

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Keywords : algorithms-; animal-ecology; arthropod-pests; habitats-; natural-enemies; parasitoids-; physical-activity; plant-pests; predatory-arthropods; rice- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Pests; Biological-Control; Pathogens-Parasites-and-Infectious-Diseases-Wild-Animals; Mathematics-and-Statistics; Animal-Ecology

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International Rice Research Notes. 2004. 29 (1). 58-60 CD Volume : 432

Keywords : boron-; boron-fertilizers; calcareous-soils; crop-yield; cultivars-; nutrient-uptake; rice-; soil-types; use-efficiency; varietal-reactions; yield-components South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Nutrition; Plant-Production; Soil-Fertility; Fertilizers-and-other-Amendments

Breeding to enhance yield potential of rice at IRRI the ideotype approach /Virk P S Khush G S Peng S

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Keywords : crop-yield; ideotypes-; IRRI-; plant-breeding-methods; reviews-; rice- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Plant-Breeding-and-Genetics; Plant-Production

Brown planthopper injury vs mechanical injury to the rice plant/Rubia Sanchez E Watanabe T Suzuki Y

International Rice Research Notes. 2004. 29 (2). 49-51 CD Volume : 432

Keywords : cultivars-; injuries-; insect-pests; leaf-area; leaves-; pest-resistance; plant-height; plant-pests; rice-; roots-; stems-; tillers-; varietal-resistance; varietal-susceptibility Nilaparvata-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Hemiptera-; insects-; arthropods-; invertebrates-; animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Scirpophaga-; Pyralidae-; Lepidoptera- Field-Crops; Plant-Pests; Host-Resistance-and-Immunity

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Keywords : enzyme-activity. loam-soils. oxidoreductases. paddy-soils. phosphoric-monoester-hydrolases. rice. rice-soils. rice-straw. soil-amendments. soil-bacteria. soil-enzymes. soil-flora. soil-fungi. soil-types. straw. transgenic-plants. ubiquitin

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Keywords : backcrosses. chitinase. defence-mechanisms. disease-resistance. DNA. fungal-diseases. genes. genetic-mapping. genetic-markers. genotypes. inbred-lines. IRRI. leaf-area. leaves. lines. oxidoreductases. phenotypes. plant-diseases. plant-pathogenic-fungi. plant-pathogens. quantitative-trait-loci. recombination. rice. selection

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Keywords : carbon-cy. carbon-dioxide. cycling. decomposition. methane. organic-carbon. percolation. plant-residues. reviews. rhizosphere. rice. rice-soils. rice-straw. soil-organic-matter. soil-types. straw. translocation. transport-processes

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Keywords : aetiology. fungal-diseases. leaves. methodology. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. Saprophytes IdentifiersGonatophragmium

Characterisation of rice (*Oryza sativa*) F3 populations selected for salt resistance. 2. Relationships between yield-related parameters and physiological properties/Zhu G Y Kinet J M Lutts S

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Keywords : callus. crop-growth-stage. crop-yield. crosses. fertility. in-vitro-culture. rice. salinity. salt-tolerance. somaclonal-variation. tissue-culture

Characteristics of rice straw and sewage sludge as composting materials in Valencia (Spain)/
Iranzo M Canizares J V Roca Perez L Sainz Pardo I Mormeneo S Boluda R
Bioresource Technology. 2004. 95 (1). 107-112 CD Volume : 432

Keywords : carbon-nitrogen-ratio. chemical-properties. composting. composts.
environmental-impact. microbial-activities. physical-properties. rice.
rice-straw. sewage-sludge. straw. temperature. waste-management

Characterization of soluble and putative membrane-bound UDP-glucuronic acid
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Keywords : enzyme-activity. enzymes. gene-expression. genes. NADP. NADPH. rice.
seed-development. seeds. UDP

Chlorophyll fluorescence parameters as indicators of submergence tolerance in rice/Sarkar R
K Panda D Rao D N Sharma S G
International Rice Research Notes. 2004. 29 (1). 66-68 CD Volume : 432

Keywords : analytical-methods; chlorophyll-; cultivars-; flooding-tolerance;
indicators-; photosynthesis-; photosystem-II; plant-water-relations; rice-;
submergence-; susceptibility- Oryza-; Poaceae-; Cyperales-;
monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops;
Plant-Physiology-and-Biochemistry; Plant-Water-Relations;
Environmental-Tolerance-of-Plants; Meteorology-and-Climate

Chromosome bin map of expressed sequence tags in homoeologous group 1 of hexaploid
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Chao S Anderson OD Qi LL Echaliier B Gill BS Dilbirligi M Sandhu D Gill KS Greene RA
Sorrells ME Akhunov ED Dvorak J Linkiewicz AM Dubcovsky J Hossain KG Kalavacharla
V Kianian SF Mahmoud AA Miftahudin Conley EJ Anderson JA Pathan MS Nguyen HT
McGuire PE Qualset CO Lapitan NL
Genetics 2004 Oct;168(2)609-23 CD Volume : 443

Keywords : Arabidopsis. *Chromosome Mapping. Chromosomes, Plant.
Comparative Study. *Expressed Sequence Tags. Genes, Plant. Genome,
Plant. Oryza sativa. *Ploidies. Research Support, U.S. Gov't, Non-P.H.S..
Sequence Alignment. Triticum

Combining ability analysis to identify suitable parents for heterotic rice hybrid
breeding/Singh N K Anand Kumar
International Rice Research Notes. 2004. 29 (1). 21-22 CD Volume : 432

Keywords : crop-yield; cultivars-; dominance-; earliness-; flowering-date; general-
combining-ability; genetic-effects; genetic-variance; heterosis-; hybrids-;
plant-height; rice-; specific-combining-ability; tillers-; yield-components
India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-
Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-;
Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics

Comparing two technologies for quantifying rice plant cover in breeding nurseries/Caton B P Navarez D C Cope A E

International Rice Research Notes. 2004. 29 (1). 70-71 CD Volume : 432

Keywords : analytical-methods; correlation-analysis; grids-; imagery-; nurseries-; rice-; sampling- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Automation-and-Control; Techniques-and-Methodology

Comparison of different alkali treatment of bagasse and rice straw/ Suksombat W

Asian-Australasian Journal of Animal Sciences. 2004. 17 (10). 1430-1433 CD Volume : 439

Keywords : agricultural-byproducts. alkali-treatment. ash. bagasse. chemical-composition. chemical-degradation. crude-fibre. crude-protein. dry-matter. ether-extracts. rice. rice-straw. sodium-hydroxide. straw. urea

Comparison of different amendments for alleviating iron toxicity in rice/Nayak S C Sahu S K Mishra G C Sandha B

International Rice Research Notes. 2004. 29 (1). 51-53 CD Volume : 432

Keywords : antagonism-; chemical-composition; crop-yield; fly-ash; iron-; leaves-; lime-; phytotoxicity-; plant-composition; potassium-; rice-; rice-straw; soil-amendments; straw-; toxicity-; varieties-; zinc- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Composition; Plant-Production; Plant-Toxicology; Fertilizers-and-other-Amendments

Comparison of different rice milling methods/Afzalina S Shaker M Zare E

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Keywords : abrasion. breakage. economic-evaluation. milling. mills. moisture-content. polishing. rice. whitening

Comparison of kinetic properties of a hydrophilic form of acetylcholinesterase purified from strains susceptible and resistant to carbamate and organophosphorus insecticides; of green rice leafhopper (*Nephotettix cincticeps* Uhler)/Kato Yohei Tanaka Toshiharu Miyata Tadashi

Pesticide Biochemistry and Physiology. 2004. 79 (2). 64-73 CD Volume : 430

Keywords : Economic-Entomology; Enzymology- Biochemistry-and-Molecular-Biophysics; Pest-Assessment-Control-and-Management; Pesticides-; Toxicology- acetylcholinesterase- 9000-81-1, EC-3.1.1.7, hydrophilic-form, kinetic-properties; carbamate- 463-77-4, insecticide-

Compensatory responses of late watergrass (*Echinochloa phyllopogon*) and rice to resource limitations/Gibson K D Fischer A J Foin T C

Weed Science. 2004. 52 (2). 271-280 CD Volume : 434

Keywords : application-rates. biomass-production. dry-matter-distribution. leaf-area. leaves. nitrogen-fertilizers. plant-height. rice. shading. tillers. weeds

Composting of rice straw with oilseed rape cake and poultry manure and its effects on faba bean (*Vicia faba* L.) growth and soil properties/Abdelhamid M T Horiuchi T Oba S
Bioresource Technology. 2004. 93 (2). 183-189 CD Volume : 432

Keywords : application-rates. biological-activity-in-soil. carbon. cation-exchange-capacity. composting. composts. crop-yield. faba-beans. growth. nitrogen. nutrients. oilseed-cakes. organic-matter. parti-density. poultry-manure. respiration. rice. rice-straw. soil-chemical-properties. soil-density. soil-physical-properties. straw

Controlling foliar blights of wheat in the rice-wheat systems of Asia/Duveiller E
Plant Disease. 2004. 88 (5). 552-556 CD Volume : 440

Keywords : cultural-control. disease-resistance. fungal-diseases. genetic-improvement. genetic-resistance. germplasm. integrated-control. physical-control. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. seed-treatment. sequential-cropping. soil-fertility. tillage. wheat

Crop yield, disease incidence, and insect pest attack in relation to N dynamics in rice/Rekhi R S Singh R Goel R K Singh J

International Rice Research Notes. 2004. 29 (2). 65-67 CD Volume : 432

Keywords : application-rates; chemical-composition; crop-yield; farmyard-manure; fungal-diseases; green-manures; insect-pests; mineral-content; mineral-uptake; nitrogen; nitrogen-fertilizers; nutrient-availability; nutrient-content; nutrient-uptake; phosphorus-fertilizers; plant-composition; plant-diseases; plant-pathogenic-fungi; plant-pathogens; plant-pests; potassium-fertilizers; rice-; soil-fertility; zinc-fertilizers Cnaphalocrocis-; Pyralidae-; Lepidoptera-; insects-; arthropods-; invertebrates-; animals-; Hypocreales-; Ascomycotina-; Eumycota-; fungi-; Gibberella-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Rhizoctonia-; Deuteromycotina-; Sarocladium-; Sesbania-; Papilionoideae-; Fabaceae-; Fabales-; dicotyledons-; Sogatella-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Hemiptera- Field-Crops; Plant-Composition; Plant-Nutrition; Plant-Production; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Plant-Pests; Soil-Chemistry-and-Mineralogy; Soil-Fertility; Fertilizers-and-other-Amendments; Animal-Wastes; Plant-Wastes

Current and potential uses of optical remote sensing in rice-based irrigation systems a review/Niel TG van McVicar TR

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Keywords : case-studies. crop-yield. geographical-information-systems. irrigation. plant-water-relations. precision-agriculture. remote-sensing. reviews. rice. temperature. water-use. water-use-efficiency. yield-forecasting

Current status of rice pests and their management in Assam, India - a discussion with extension agents/Islam Z Heong K L Bell M Hazarika L K Rajkhowa D J Ali S Dutta B C Bhuyan M

International Rice Research Notes. 2004. 29 (2). 95-97 CD Volume : 432

Keywords : biological-control; biological-control-agents; botanical-insecticides; botanical-pesticides; chemical-control; cultivars-; disease-resistance; insect-control; insect-pests; insecticides-; pest-control; pest-resistance; physical-control; plant-disease-control; plant-diseases; plant-pests; rice-; rodent-control; tillage-; vertebrate-pests; weed-control; weeds- India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; mammals-; vertebrates-; Chordata-; animals-; arthropods-; invertebrates- Field-Crops; Plant-Breeding-and-Genetics; Weeds-and-Noxious-Plants; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Plant-Pests; Biological-Control; Environmental-Pest-Management; Pesticides-and-Drugs-Control; Host-Resistance-and-Immunity; Soil-Management; Non-food-Non-feed-Plant-Products

Detection of *Xanthomonas oryzae* pv. *oryzae* by NCM-ELISA in naturally infected rice plants /Suryadi Y Kadir T S

International Rice Research Notes. 2004. 29 (2). 34-35 CD Volume : 432

Keywords : antibodies-; detection-; ELISA-; plant-pathogenic-bacteria; plant-pathogens; rice- South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; *Xanthomonas-oryzae*; *Xanthomonas*-; *Xanthomonadaceae*-; *Gracilicutes*-; bacteria-; prokaryotes- Field-Crops; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Techniques-and-Methodology

Determining soil inversion tillage interval in rice production/Abdul Razzaq Sabir B A Liaqat Ali

AMA, Agricultural Mechanization in Asia, Africa and Latin America. 2004. 35 (1). 11-13 CD Volume : 435

Keywords : clay-loam-soils. cost-benefit-analysis. crop-yield. returns. rice. soil-types. tillage

Detrimental effects of niclosamide 250EC at preseeding in direct-seeded rice culture/Joshi R C Desamito M S Martin A R Sebastian L S Coupland J B

International Rice Research Notes. 2004. 29 (2). 36-37 CD Volume : 432

Keywords : application-rates; molluscicides-; niclosamide-; nontarget-effects; phytotoxicity-; plant-height; plant-pests; rice-; roots-; seedling-growth; seedlings-; shoots- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Pomacea-; Ampullariidae-; Gastropoda-; Mollusca-; invertebrates-; animals- Field-Crops; Plant-Pests; Plant-Toxicology; Pesticide-and-Drug-Residues-and-Ecotoxicology

Development and evaluation of a multi-hose slurry applicator for rice paddy fields/Oh I H Lee J Burns R T

Applied Engineering in Agriculture. 2004. 20 (1). 101-106 CD Volume : 435

Keywords : animal-manures. applicators. cattle-slurry. crop-production. equipment-performance. odour-emission. performance-tests. pig-slurry. rice. rotational-speed. slurry-spreaders

Development and use of hybrid rice technology to increase rice productivity in the tropics/Virmani S S Ish Kumar

International Rice Research Notes. 2004. 29 (1). 10-19 CD Volume : 432

Keywords : adaptability-; constraints-; crop-quality; crop-yield; disease-resistance; economic-analysis; hybrid-seed-production; hybrid-varieties; hybrids-; pest-resistance; plant-diseases; plant-pests; resistance-; reviews-; rice-; stress- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Agricultural-Economics; Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Environmental-Tolerance-of-Plants; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Plant-Pests; Host-Resistance-and-Immunity

Development of co-dominant amplified polymorphic sequence markers in rice that flank the Magnaporthe grisea resistance gene Pi7(t) in recombinant inbred line 29/Campbell M A Chen D Ronald P C

Phytopathology. 2004. 94 (3). 302-307 CD Volume : 440

Keywords : chromosome-maps. cultivars. disease-resistance. dominance. genes. genetic-mapping. genetic-markers. inbred-lines. loci. nuotide-sequences. plant-pathogenic-fungi. plant-pathogens. random-amplified-polymorphic-DNA. Rice Organism Keywordsfungi. Magnaporthe-grisea. Oryza. Oryza-sativa

Development of TGMS lines and two-line rice hybrids through a shuttle breeding program between IRRI and China/ Mou TongMin Li ChunHai Xu JunYing Virmani S S Sanchez D L

International Rice Research Notes. 2004. 29 (2). 14-15 CD Volume : 432

Keywords : crop-yield; growth-chambers; hybrids-; IRRI-; male-sterility; rice-; temperature- China-; East-Asia; Asia-; Developing-Countries; Central-Southern-China; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; ASEAN-Countries Field-Crops; Plant-Breeding-and-Genetics; Plant-Production

Differential expression of rice Nramp genes in response to pathogen infection, defense signal molecules and metal ions PMPP/Zhou X J Yang Y N

Physiological and Molecular Plant Pathology. 2004. 65 (5). 235-243 CD Volume : 449

Keywords : abscisic-acid; disease-resistance; fungal-diseases; fungal-elicitors; gene-expression; genes-; genetic-regulation; jasmonic-acid; metal-ions; plant-diseases; plant-growth-regulators; plant-pathogenic-bacteria; plant-pathogenic-fungi; plant-pathogens; rice-; seedlings-; transcription-

Burkholderia-; Burkholderiaceae-; Gracilicutes-; bacteria-; prokaryotes-; Magnaporthe-; Polystigmatales-; Ascomycotina-; Eumycota-; fungi-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Host-Resistance-and-Immunity

Diverse members of the AvrBs3/PthA family of type III effectors are major virulence determinants in bacterial blight disease of rice/Yang B White F F

Molecular Plant-Microbe Interactions. 2004. 17 (11). 1192-1200 CD Volume : 440

Keywords : DNA-sequencing. gene-expression. genes. growth. multigene-families. nuotide-sequences. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. rice. strain. virulence

Diversity and relative abundance of Orthoptera in an irrigated rice ecosystem in Madurai, India/Kandibane M Raguraman S Ganapathy N

International Rice Research Notes. 2004. 29 (1). 33-35 CD Volume : 432

Keywords : irrigated-conditions; plant-pests; rice-; seasonal-behaviour; species-diversity; species-richness; weeds- Orthoptera-; insects-; arthropods-; invertebrates-; animals-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Weeds-and-Noxious-Plants; Plant-Pests; Soil-Water-Management-Irrigation-and-Drainage; Plant-Ecology; Animal-Ecology

Ecology of jungle rice (*Echinochloa colonum*), a weed of the rice agroecosystem a case study in Bilaspur (Chhattisgarh)/Dubey V

International Rice Research Notes. 2004. 29 (2). 52-55 CD Volume : 432

Keywords : autecology-; flora-; phenology-; plant-ecology; rice-; species-diversity; species-richness; weeds- Echinochloa-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; India-Field-Crops; Weeds-and-Noxious-Plants; Plant-Ecology

Economics of weed management in late-planted, minimum-tillage rice in Benue State, Nigeria/Shave P A Avav T

International Rice Research Notes. 2004. 29 (1). 73-74 CD Volume : 432

Keywords : 2,4-D-; chemical-control; crop-yield; economic-analysis; glyphosate-; herbicides-; hoeing-; manual-weed-control; physical-control; propanil-; rice-; slashing-; tillage-; weed-control; weeds- West-Africa; Africa-South-of-Sahara; Africa-; Developing-Countries; ACP-Countries; Commonwealth-of-Nations; Anglophone-Africa; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Agricultural-Economics; Field-Crops; Weeds-and-Noxious-Plants;

Environmental-Pest-Management; Pesticides-and-Drugs-Control; Soil-Management

Effect of ammonia treatment on physical strength of rice straw, distribution of straw parts and parti-associated bacteria in sheep rumen/Selim A S M Pan J Takano T Suzuki T Koike S Kobayashi Y Tanaka K

Animal Feed Science and Technology. 2004. 115 (1/2). 117-128 CD Volume : 432

Keywords : ammonia. parti-size. physical-properties. resistance. rice. rice-straw. rumen. rumen-bacteria. Straw

Effect of low light on yield and physiological attributes of rice/Praba M L Vanangamudi M Thandapani V

International Rice Research Notes. 2004. 29 (2). 71-73 CD Volume : 432

Keywords : chlorophyll; crop-yield; dry-matter-accumulation; enzyme-activity; enzymes-; harvest-index; nitrate-reductase; plant-proteins; rice-; shading-; spikelets-; yield-components Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Physiology-and-Biochemistry; Plant-Production

Effect of puddling intensity on temporal variation in soil physical conditions and yield of rice (*Oryza sativa* L.) in a Vertisol of central India/Mohanty M Painuli D K Mandal K G

Soil & Tillage Research. 2004. 76 (2). 83-94 CD Volume : 428

Keywords : bulk-density. crop-yield. plant-water-relations. puddling. resistance-to-penetration. rice. soil-density. soil-physical-properties. temporal-variation. Vertisols. water-use-efficiency

Effect of salt stress on pigments and proline concentrations in leaves of rice/Lima M G S Lopes N F Bacarin M A Mendes C R

Bragantia. 63(3). 2004. 335-340 CD Volume : 441

Keywords : Oryza-sativa; photosynthetic-pigments; proline; salinity

Effect of silicon sources and fertility levels on transplanted rice/Sudhakar P C Singh J P Kalyan Singh

International Rice Research Notes. 2004. 29 (2). 61-63 CD Volume : 432

Keywords : application-rates; crop-yield; dry-matter-accumulation; fly-ash; nitrogen-fertilizers; phosphorus-fertilizers; potassium-fertilizers; rice-; rice-straw; silicon-fertilizers; slags-; straw-; sulfur-fertilizers; zinc-fertilizers South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Production; Fertilizers-and-other-Amendments; Plant-Wastes; Industrial-Wastes-and-Effluents

Effect of stepped pattern of feed intake using rice straw as roughage source on the regulation of growth, reproduction and lactation in dairy heifers/Jin M G Lee H G Lee H J Hong Z S Wang J H Yin Y H Jin R H Cho K K Choi Y J

Asian-Australasian Journal of Animal Sciences. 2004. 17 (6). 794-798 CD Volume : 439

Keywords : **body-condition. conception. dairy-performance. feed-intake. growth. heifers. lactation. liveweight-gain. milk-composition. milk-yield. oestrus. reproduction. rice. rice-straw. roughage. service-period. Straw**

Effect of straws from Bt-transgenic rice on selected biological activities in water-flooded soil/Wu WeiXiang Ye QingFu Min Hang

European Journal of Soil Biology. 2004. 40 (1). 15-22 CD Volume : 431

Keywords : **biological-activity-in-soil. cellulase. enzyme-activity. hydrogen. loam-soils. oxidoreductases. phosphoric-monoester-hydrolases. proteinases. rice. rice-straw. soil-amendments. soil-enzymes. soil-types. straw. transgenic-plants Identifiersmethanogenesis**

Effect of tillage on soil physical properties and crop performance under rice-wheat system/Peeyush Sharma Tripathi R P Surendra Singh Ravindra Kumar

Journal of the Indian Society of Soil Science. 2004. 52 (1). 12-16 CD Volume : 439

Keywords : **bulk-density. clay-loam-soils. cracking. cracks. crop-yield. direct-sowing. harvesting. infiltration. Mollisols. no-tillage. plasticity. puddling. reduced-tillage. rice. rotations. silty-soils. soil-compaction. soil-physical-properties. soil-structure. soil-types. tillage. transplanting. Wheat**

Effect of variety and stage of maturity on nutritive value of whole crop rice, yield, botanical fractions, silage fermentability and chemical composition/Islam M R Ishida M Ando S Nishida T Yoshida N Arakawa M

Asian-Australasian Journal of Animal Sciences. 2004. 17 (2). 183-192 CD Volume : 439

Keywords : **ash. cell-wall-components. cell-walls. chemical-composition. crop-yield. crude-protein. cultivars. dry-matter. fat. fibre. forage. lignin. maturity-stage. nutritive-value. plant-composition. rice. rice-straw. silage-fermentation. silage-making. silage-quality. straw. whole-crop-silage**

Effect of variety and stage of maturity on nutritive value of whole crop rice silage for ruminants in situ dry matter and nitrogen degradability and estimation of metabolizable energy and metabolizable protein/Islam M R Ishida M Ando S Nishida T Yoshida N Arakawa M

Asian-Australasian Journal of Animal Sciences. 2004. 17 (11). 1541-1552 CD Volume : 439

Keywords : **chemical-composition. degradation. maturity-stage. metabolizable-energy. nitrogen. nutritive-value. protein. rice. silage. Varieties**

Effect of water-saving irrigation on rice yield and water use in typical lowland conditions in Asia/Belder P Bouman B A M Cabangon R Guoan L Quilang E J P Yuanhua L Spiertz J H J Tuong T P

Agricultural Water Management. 2004. 65(3). 193-210 CD Volume : 431

Keywords : lowland-rice; water-saving; nonsubmergence; nitrogen

Effects of drying methods and storage time on the aroma and milling quality of rice (*Oryza sativa* L.) cv. Khao Dawk Mali 105/Wongpornchai S Dumri K Jongkaewwattana S Siri B

Food Chemistry. 2004. 87 (3). 407-414 CD Volume : 431

Keywords : aroma. aromatic-compounds. chemical-composition. drying. food-processing. milling. milling-quality. physicochemical-properties. rice. Storage

Effects of ensiled cassava tops on rumen environment parameters, thyroid gland hormones and liver enzymes of cows fed urea-treated fresh rice straw/Duong Nguyen Khang Wiktorsson H

Asian-Australasian Journal of Animal Sciences. 2004. 17 (7). 936-941 CD Volume : 439

Keywords : alanine-aminotransferase. ammonium-nitrogen. animal-nutrition. aspartate-aminotransferase. blood-chemistry. cassava. cassava-leaves. cattle-feeding. cows. enzyme-activity. feed-intake. feed-supplements. liver. pH. rumen. silage-making. silage-quality. thyroid-gland. thyroxine. triiodothyronine. urea. volatile-fatty-acids

Effects of long-term application of manure and fertilizer on the upland rainfed rice-cropping system/Senapati H K Senapati P C

International Rice Research Notes. 2004. 29 (2). 60-61 CD Volume : 432

Keywords : application-rates; crop-yield; farmyard-manure; green-manures; nitrogen-; nitrogen-fertilizers; NPK-fertilizers; nutrient-availability; phosphorus-; phosphorus-fertilizers; plant-nutrition; potassium-; potassium-fertilizers; rice-; soil-fertility; soil-organic-matter; water-use-efficiency Cassia-; Caesalpinioideae-; Fabaceae-; Fabales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; Papilionoideae-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; Senna- Field-Crops; Plant-Nutrition; Plant-Production; Soil-Chemistry-and-Mineralogy; Soil-Fertility; Fertilizers-and-other-Amendments; Animal-Wastes; Plant-Wastes

Effects of silicon and fungicides on the control of leaf and neck blast in upland rice/Seebold K W Jr Datnoff L E Correa Victoria F J Kucharek T A Snyder G H

Plant Disease. 2004. 88 (3). 253-258 CD Volume : 440

Keywords : chemical-control. crop-yield. edifenphos. fungal-diseases. fungicides. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. silicon. silicon-fertilizers. Tricyclazole

Enhancing efficiency of fertilizer N use in rice-wheat systems of Indo-Gangetic Plains by intercropping *Sesbania aculeata* in direct seeded upland rice for green manuring/Yadav R L
Bioresource Technology. 2004. 93 (2). 213-215 CD Volume : 432

Keywords : application-rates. crop-yield. green-manures. Inceptisols. intercropping. nitrogen-fertilizers. rice. soil-types. upland-rice. use-efficiency. Wheat

Estimating dew formation in rice, using seasonally averaged diel patterns of weather variables/Luo W Goudriaan J

Netherlands Journal of Agricultural Science. 2004. 51 (4). 391-406 CD Volume : 439

Keywords : dew. IRRI. leaves. meteorology. plant-height. rice. simulation-models. vapour-pressure. weather. weather-data. wind. wind-speed Geographic LocatorPhilippines

Estimation of nutritive value of whole crop rice silage and its effect on milk production performance by dairy cows/ Islam M R Ishida M Ando S Nishida T Yoshida N

Asian-Australasian Journal of Animal Sciences. 2004. 17 (10). 1383-1389 CD Volume : 439

Keywords : chemical-composition. concentrates. cows. crude-protein. dairy-cattle. dairy-performance. digestibility. dry-matter. energy-retention. feed-intake. lactation-stage. metabolizable-energy. milk-composition. milk-fat. milk-production. milk-protein. milk-yield. nitrogen. nutrition-physiology. nutritive-value. plant-parts. rice. solids-not-fat. solubility. steers. total-digestible-nutrients. whole-crop-silage

Evaluating nitrogen transfer efficiency of immobilized cyanobacteria to rice seedlings by 15N technique/Balachandar D Kumar K Kannaiyan S Arulmozhiselvan K

International Rice Research Notes. 2004. 29 (1). 53-54 CD Volume : 432

Keywords : immobilization-; mineral-uptake; nitrogen-; nitrogen-content; nitrogen-fixation; nutrient-uptake; plant-nutrition; polyurethanes-; rice-; seedlings-; sugarcane-byproducts; urea- Anabaena-; cyanobacteria-; prokaryotes-; Nostoc-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Nutrition; Soil-Biology; Fertilizers-and-other-Amendments

Evaluation and identification of cold-tolerant rice genotypes by cold-water irrigation stress/Jena K K Jeung J U Yea J D Choi Y H Hwang H G Moon H P Virk P S Yanagihara S Mackill D

International Rice Research Notes. 2004. 29 (1). 54-56 CD Volume : 432

Keywords : cold-tolerance; cultivars-; genotypes-; IRRI-; irrigation-water; plant-water-relations; rice-; spikelets-; sterility-; temperature-; variety-trials Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Plant-Breeding-and-Genetics; Environmental-Tolerance-of-Plants; Soil-Water-Management-Irrigation-and-Drainage; Meteorology-and-Climate

Evaluation of a new insecticide formulation (F2) as a protectant of stored wheat, maize, and rice/Arthur Frank H

Journal of Stored Products Research. 2004. 40 (3). 317-330 CD Volume : 429

Keywords : **Economic-Entomology; Pest-Assessment-Control-and-Management; Pesticides- F2- insecticide-, dust-formulation, evaluation-, new-commercial-formulation, slurry-formulation; Protect-it diatomaceous-earth, insecticide-component; chlorpyrifos-methyl 5598-13-0, insecticide-component; deltamethrin- 52918-63-5, insecticide-component; mineral-oil insecticide-component; piperonyl-butoxide 51-03-6, insecticide- climate-; stored-maize; stored-product-protection; stored-products-research; stored-rice; stored-wheat**

Evaluation of crop residue management practices for improving yields, nutrient balance and soil health under intensive rice-rice system/Surekha K Narayana Reddy M Rao K V StaCruz P C

Journal of the Indian Society of Soil Science. 52(4). 2004. 448-453 CD Volume : 439

Keywords : **crop-residues; rice-productivity; nutrient-balance; soil-quality; intensive-rice-rice-system**

Evaluation of stabilized rice bran as an ingredient in dry extruded dog diets/Spears J K Grieshop C M Fahey G C Jr

Journal of Animal Science. 2004. 82 (4). 1122-1135 CD Volume : 444

Keywords : **chemical-composition. dietary-fat. diets. digestibility. digestion. eicosanoids. faeces. fatty-acids. feed-intake. feeds. monoenoic-fatty-acids. organoleptic-traits. phospholipids. rice-bran. soyabean-oil. Tallow**

Evaluation of weeding devices for upland rice in the eastern Ghat of Orissa, India/Subudhi E C R

International Rice Research Notes. 2004. 29 (1). 79-81 CD Volume : 432

Keywords : **cost-benefit-analysis; manual-weed-control; physical-control; rice-; rotary-weeders; upland-rice; weed-control; weeders-; weeding-; weeds-South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Agricultural-Economics; Field-Crops; Weeds-and-Noxious-Plants; Environmental-Pest-Management**

Expression of human protoporphyrinogen oxidase in transgenic rice induces both a photodynamic response and oxyfluorfen resistance/Lee Y Jung S Back K

Pesticide Biochemistry and Physiology. 2004. 80 (2). 65-74 CD Volume : 430

Keywords : **Agronomy- Agriculture-; Molecular-Genetics Biochemistry-and-Molecular-Biophysics; Pesticides- antheraxanthin- 68831-78-7; beta-carotene 7235-40-7; catalase- 9001-05-2, EC-1.11.1.6; glutathione-reductase 9001-48-3, EC-1.8.1.7; lutein- 127-40-2Q, 62624-08-2Q; mRNA- messenger-RNA; neoxanthin- 14660-91-4; oxyfluorfen- 42874-03-3, herbicide-, pesticide-; peroxidase- 9003-99-0, EC-1.11.1.7;**

protoporphyrinogen-oxidase 53986-32-6, EC-1.3.3.4; superoxide-dismutase 9054-89-1, EC-1.15.1.1; violaxanthin- 126-29-4 herbicide-resistance; photodynamic-response

Extension service and rice yield gap in Nigeria, 1980-2002/Oladele O I
International Rice Research Notes. 2004. 29 (2). 89-90 CD Volume : 432

Keywords : crop-yield; extension-; rice- West-Africa; Africa-South-of-Sahara; Africa-; Developing-Countries; ACP-Countries; Commonwealth-of-Nations; Anglophone-Africa; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Extension-and-Advisory-Work; Agricultural-Economics; Field-Crops; Plant-Production

Factors affecting rice grain density unconsumed by white-fronted geese in relation to wheat damage/Amano T Ushiyama K Fujita G Higuchi H
Agriculture, Ecosystems & Environment. 2004. 102 (3). 403-407 CD Volume : 429

Keywords : foraging. grain. poultry. rice. vertebrate-pests. Wheat Environment

Farmers' participatory diagnosis of the flood-prone deepwater rice-cropping system in eastern India/Singh U P
International Rice Research Notes. 2004. 29 (2). 85-87 CD Volume : 432

Keywords : crop-yield; cropping-systems; cultivars-; deep-water-rice; drainage-equipment; drought-resistance; farming-systems; farming-systems-research; floods-; rice-; socioeconomics-; waterlogging- India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Water-Relations; Plant-Production; Plant-Cropping-Systems; Environmental-Tolerance-of-Plants; Soil-Water-Management-Irrigation-and-Drainage

Farmers' participatory evaluation of rice varieties and herbicidal technologies in the Godavari Delta/Raju R A Reddy M D
International Rice Research Notes. 2004. 29 (1). 77-78 CD Volume : 432

Keywords : cultivars-; farmers'-attitudes; farming-systems-research; herbicides-; integrated-control; manual-weed-control; rice-; weed-control; weeds-India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Echinochloa-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Oryza- Extension-and-Advisory-Work; Field-Crops; Plant-Breeding-and-Genetics; Weeds-and-Noxious-Plants; Environmental-Pest-Management; Integrated-Pest-Management; Pesticides-and-Drugs-Control

Farmers' participatory evaluation of saline-tolerant rice varieties/Ponnusamy L Thenmathi N
International Rice Research Notes. 2004. 29 (2). 83-84 CD Volume : 432

Keywords : crop-yield; cultivars-; rice-; salinity-; salt-tolerance South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-;

Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Environmental-Tolerance-of-Plants

Feed hygiene and meat safety of cattle fed processed rice hulls-bedded broiler litter /Kwak W S Huh J W

Asian-Australasian Journal of Animal Sciences. 2004. 17 (11). 1509-1517 CD Volume : 439

Keywords : beef-cattle. drug-residues. food-safety. heavy-metals. hygiene. litter. microbial-contamination. mycotoxins. rice-husks

Fertilizer optimization in rice by eliminating hidden nutrient deficiencies/Latha M R Murugappan V

International Rice Research Notes. 2004. 29 (2). 63-65 CD Volume : 432

Keywords : application-rates; crop-yield; fertilizers-; optimization-; profits-; rice-South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Agricultural-Economics; Field-Crops; Plant-Production; Fertilizers-and-other-Amendments

Fine mapping of a grain-weight quantitative trait locus in the pericentromeric region of rice chromosome 3/Li J M Thomson M McCouch S R

Genetics. 2004. 168 (4). 2187-2195 CD Volume : 443

Keywords : backcrossing. cereal-grains. chromosome-maps. chromosomes. crosses. gene-expression. genes. genetic-mapping. genetic-variance. kernels. lines. panis. phenotypes. quantitative-trait-loci. recombination. rice. seeds. selfing. weight3

Gene discovery and gene expression in the rice blast fungus, *Magnaporthe grisea* analysis of expressed sequence tags/ Ebole D J Jin Y Thon M Pan H Q Bhattarai E Thomas T Dean R

Molecular Plant-Microbe Interactions. 2004. 17 (12). 1337-1347 CD Volume : 440

Keywords : complementary-DNA. fungal-diseases. gene-expression. genes. growth. messenger-RNA. metallothionein. molecular-genetics. mutations. nuotide-sequences. plant-diseases. plant-pathogenic-fungi. plant-pathogens. protein-kinase. Strains

Generalized moments estimation for spatial panel data Indonesian rice farming/Druska V Horrace W C

American Journal of Agricultural Economics. 2004. 86 (1). 185-198 CD Volume : 433

Keywords : crop-production. estimates. farming. rice. spatial-variation. stochastic-models

Genetic analysis of quantitative traits in rice (*Oryza sativa* L.) exposed to salinity/Mahmood T Turner M Stoddard F L Javed M A

Australian Journal of Agricultural Research. 2004. 55 (11). 1173-1181 CD Volume : 443

Keywords : **branches. calcium. crop-yield. crosses. cultivars. dominance. dry-matter. fertility. gene-expression. genetic-analysis. genetic-effects. genetic-variation. heritability. hybrids. maturity. panis. plant-height. potassium. quantitative-traits. rice. salinity. salt-tolerance. shoots. sodium. Tillers**

Genetic architecture of flowering time in maize as inferred from quantitative trait loci meta-analysis and synteny conservation with the rice genome/Chardon F Virlon B Moreau L Falque M Joets J Decousset L Murigneux A Charcosset A

Genetics. 2004. 168 (4). 2169-2185 CD Volume : 443

Keywords : **chromosome-maps. flowering. flowering-date. gene-expression. genes. genetic-mapping. genetic-models. genomes. maize. quantitative-trait-loci. Rice**

Genetic base and commercial utilization of rice varieties in Cuba/Fuentes J L Arteché J Suarez E Gomez P J Borges E Cornide M T

Journal of Genetics & Breeding. 58(4). 2004. 329-338 CD Volume : 458

Keywords : **coefficient-of-parentage; field-genetic-uniformity; Oryza-sativa; rice-breeding**

Glass transition mapping inside a rice kernel/Yang W Jia C

Transactions of the ASAE. 2004. 47 (6). 2009-2015 CD Volume : 438

Keywords : **cracking. grain-driers. grain-drying. kernels. mapping. moisture-content. rice. Stresses**

Glass transition temperature of rice kernels determined by dynamic mechanical thermal analysis/Siebenmorgen T J Yang W Sun Z

Transactions of the ASAE. 2004. 47 (3). 835-839 CD Volume : 438

Keywords : **kernels. mechanical-properties. modulus-of-elasticity. moisture-content. physical-properties. rice. temperature. thermal-properties**

Group 3 chromosome bin maps of wheat and their relationship to rice chromosome 1/Munkvold JD Greene RA Bermudez Kandianis CE La Rota CM Edwards H Sorrells SF Dake T Benschler D Kantety R Linkiewicz AM Dubcovsky J Akhunov ED Dvorak J Miftahudin Gustafson JP Pathan MS Nguyen HT Matthews DE Chao S Lazo GR Hummel DD Anderson OD Anderson JA Gonzalez Hernandez JL Peng JH Lapitan N Qi LL Echalié B Gill BS Hossain KG Kalavacharla V Kianian SF Sandhu D Erayman M Gill KS McGuire PE Qualset CO Sorrells ME

Genetics 2004 Oct;168(2)639-50 CD Volume : 443

Keywords : ***Chromosome Mapping. Chromosomes, Plant. Comparative Study. *Genes, Plant. Genome, Plant. Oryza sativa. Research Support, U.S. Gov't, Non-P.H.S..**

Histopathology of red stripe of rice/Kaku H

Plant Disease. 2004. 88 (12). 1304-1309 CD Volume : 440

Keywords : histopathology. parenchyma. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. plant-tissues. rice. stomata. translocation. vascular-bundles. xylem

HPLC profiles of polyamines in the leaves and anthers of a new thermosensitive genic male sterile rice line/ Vijayalakshmi D Bangarusamy U

International Rice Research Notes. 2004. 29 (2). 12-13 CD Volume : 432

Keywords : cadaverine-; chemical-composition; leaves-; male-sterility; panis-; plant-composition; polyamines-; putrescine-; rice-; spermidine- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Composition; Plant-Physiology-and-Biochemistry

Identification and characterization of a new blast resistance gene located on rice chromosome 1 through linkage and differential analyses/Zhu MengLan Wang Ling Pan QingHua

Phytopathology. 2004. 94 (5). 515-519 CD Volume : 440

Keywords : chromosome-analysis. disease-resistance. fungal-diseases. genes. genetic-analysis. genetic-markers. genetic-resistance. linkage. microsatellites. plant-diseases. plant-pathogenic-fungi. plant-pathogens. Rice Geographic LocatorChina. Japan. Thailand

Identification and characterization of somatic chromosomes of red rice (*Oryza sativa* subsp. japonica var. sylvatica) by means of a computerized chromosome image method (CHIA-EA)/Sparacino A C Halfer C Strada E Tano F Ditto D

Journal of Genetics & Breeding. 58(4). 2004. 295-300 CD Volume : 458

Keywords : red-rice, shattering-gene, translocations

Identification and exploitation of wide compatible genotypes in inter-racial hybrids in rice (*Oryza sativa* L.)/Nadarajan N Netaji S V S R K Gunasekaran M

Journal of Genetics & Breeding. 58(3). 2004. 243-252 CD Volume : 458

Keywords : inter-racial-hybrids; restorers; rice; wide-compatible-genotypes

Identification and mapping of a rice blast resistance gene Pi-g(t) in the cultivar Guangchangzhan/Zhou J H Wang J L Xu J C Lei C L Ling Z Z

Plant Pathology. 2004. 53 (2). 191-196 CD Volume : 433

Keywords : cultivars. disease-resistance. fungal-diseases. gene-location. gene-mapping. genes. genetic-distance. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice

Identification of Magnaporthe oryzae avirulence genes to three rice blast resistance genes/Luo C X Fujita Y Yasuda N Hirayae K Nakajima T Hayashi N Kusaba M Yaegashi H
Plant Disease. 2004. 88 (3). 265-270 CD Volume : 440

Keywords : cultivars. disease-resistance. DNA. fungal-diseases. gene-expression. genes. genetic-markers. genotypes. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. varietal-resistance. virulence

Identification of oxidised proteins in the matrix of rice leaf mitochondria by immunoprecipitation and two-dimensional liquid chromatography-tandem mass spectrometry/Kristensen B K Askerlund P Bykova N V Egsgaard H Moller I M
Phytochemistry. 2004. 65 (12). 1839-1851 CD Volume : 430

Keywords : analytical-methods. chemical-composition. immunoprecipitation-tests. leaves. liquid-chromatography. mass-spectrometry. mitochondria. oxidation. plant-composition. plant-proteins. rice

Impact of integrated plant nutrient management on upland rainfed rice cultivation/Senapati H K Sahoo S S Jena B Sahoo D

International Rice Research Notes. 2004. 29 (2). 56-57 CD Volume : 432

Keywords : black-gram; cost-benefit-analysis; crop-yield; farmyard-manure; intercropping-; nitrogen-fertilizers; returns-; rice- Pseudomonadaceae-; Gracilicutes-; bacteria-; prokaryotes-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Vigna-; Papilionoideae-; Fabaceae-; Fabales-; dicotyledons- Agricultural-Economics; Field-Crops; Plant-Production; Plant-Cropping-Systems; Fertilizers-and-other-Amendments; Animal-Wastes

Impact of organic manure and inorganic phosphatic fertilizer on yield and nutrient uptake in a rice-rice cropping system/Kaleeswari R K Subramanian S

International Rice Research Notes. 2004. 29 (2). 57-60 CD Volume : 432

Keywords : farmyard-manure; green-manures; mineral-uptake; nitrogen-; nutrient-uptake; phosphorus-; phosphorus-fertilizers; plant-nutrition; potassium-; poultry-manure; rice- Gliricidia-; Papilionoideae-; Fabaceae-; Fabales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; India- Field-Crops; Plant-Nutrition; Plant-Production; Fertilizers-and-other-Amendments; Animal-Wastes; Plant-Wastes

Influence of high- and low-temperature treatments on seed germination and seedling vigor of coarse and fine rice/Farooq M Basra S M A Hafeez K Warriach E A

International Rice Research Notes. 2004. 29 (2). 75-77 CD Volume : 432

Keywords : chilling-; cultivars-; heat-treatment; rice-; seed-germination; seed-treatment; seedlings-; seeds-; vigour- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops;

**Plant-Breeding-and-Genetics; Non-food-Non-feed-Plant-Products;
Composition-and-Quality-of-Non-food-Non-feed-Plant-Products**

Influence of malathion resistance status on survival and growth of *Tribolium castaneum* (Coleoptera Tenebrionidae), when fed on flour from insect-resistant and susceptible grain rice cultivars /Buglio F M Wilkins R M

Journal of Stored Products Research. 2004. 40 (1). 65-75 CD Volume : 429

Keywords : carboxylesterase. cultivars. enzyme-activity. flours. growth. insect-pests. insecticide-resistance. insecticides. loci. malathion. mortality. pest-resistance. rice. stored-products-pests. strains. survival. susceptibility. varietal-resistance

Influence of male sterile cytoplasm on phenological, morphological and yield related traits in hybrid rice (*Oryza sativa* L. ssp. indica)/Hariprasanna K Zaman F U Singh A K

Journal of Genetics & Breeding. 58(2). 2004. 131-140 CD Volume : 435

Keywords : cytoplasmic-male-sterility; CMS-lines; heterosis; WA-cytoplasm Organism **Keywords**Oryza-sativa-L.-ssp.-indica ISSN0394-9257 Year2004 Journal Journal of Genetics & Breeding

Influence of rice straw cooking conditions in the soda-ethanol-water pulping on the mechanical properties of produced paper sheets/Navaee Ardeh S Mohammadi Rovshandeh J Pourjoozi M

Bioresource Technology. 2004. 92 (1). 65-69 CD Volume : 432

Keywords : cooking. ethanol. mechanical-properties. paper. pulping. rice. rice-straw. straw. temperature

Inheritance of novel 57H mutations in rice and their effect on compartmentation of endosperm storage proteins/Tian H D Satoh H Takemoto Y

International Journal of Plant Sciences. 2004. 165 (4). 537-544 CD Volume : 432

Keywords : chemical-composition. endosperm. glutelins. inheritance. mutants. mutations. plant-composition. plant-proteins. polypeptides. prolamins. rice. storage

Input use and socioeconomic characteristics of rice farmers gender dimensions and implications for smallholder agriculture in Nigeria/Ogundele O O

International Rice Research Notes. 2004. 29 (1). 82-83 CD Volume : 432

Keywords : age-; crop-production; efficiency-; farm-inputs; gender-relations; rice-; small-farms; socioeconomics-; women- West-Africa; Africa-South-of-Sahara; Africa-; Developing-Countries; ACP-Countries; Commonwealth-of-Nations; Anglophone-Africa; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Homo-; Hominidae-; Primates-; mammals-; vertebrates-; Chordata-; animals- Agricultural-Economics; Input-Utilization-Microeconomics; Field-Crops; Plant-Production; Social-Psychology-and-Social-Anthropology; Women-

Invasion of weedy rice in rice fields in Thailand problems and management/Maneechote C Jamjod S Rerkasem B

International Rice Research Notes. 2004. 29 (2). 20-22 CD Volume : 432

Keywords : chemical-control; cultural-control; fallow-; flooding-; geographical-distribution; herbicides-; occurrence-; rice-; seed-banks; weed-control; weeds- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Weeds-and-Noxious-Plants; Environmental-Pest-Management; Pesticides-and-Drugs-Control

Inventory and comparative analysis of rice and Arabidopsis ATP-binding cassette (ABC) systems/Garcia O Bouige P Forestier C Dassa E

Journal of Molecular Biology. 2004. 343 (1). 249-265 CD Volume : 429

Keywords : adenosinetriphosphatase. binding-proteins. genomes. nuotide-sequences. plant-proteins. rice

Isotopic evidence for changes in residue decomposition and N-cycling in winter flooded rice fields by foraging waterfowl/Diepen L T A van Groenigen J W van Kessel C van

Agriculture, Ecosystems & Environment. 2004. 102 (1). 41-47 CD Volume : 429

Keywords : animal-behaviour. crop-residues. cycling. decomposition. flooding. foraging. isotope-fractionation. nitrogen. rice. rice-straw. straw. waterfowl. wetlands. wild-birds

Long-term changes in organic carbon and nutrients of an Ultisol under rice cropping in southeast China/Zhang MingKui He ZhenLi

Geoderma. 2004. 118 (3/4). 167-179 CD Volume : 432

Keywords : carbon-nitrogen-ratio. cation-exchange-capacity. cropping-systems. fulvic-acids. humic-acids. nitrogen. organic-carbon. paddy-soils. phosphorus. potassium. rice. soil-acidity. soil-fertility. soil-organic-matter. soil-organic-matter. soil-types. Ultisols

Long-term effects of fertilizers and herbicides on a nematode population under a rice-wheat-cowpea system/Singh A P Nand Ram

International Rice Research Notes. 2004. 29 (2). 26-27 CD Volume : 432

Keywords : butachlor-; chemical-control; cowpeas-; cultural-control; farmyard-manure; herbicides-; manual-weed-control; Mollisols-; nematode-control; nitrogen-fertilizers; NPK-fertilizers; pendimethalin-; pest-control; phosphorus-fertilizers; physical-control; plant-parasitic-nematodes; plant-pests; potassium-fertilizers; rice-; weed-control; weeding-; weeds-; wheat-; zinc-fertilizers South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Triticum-; India-; Vigna-; Papilionoideae-; Fabaceae-; Fabales-; dicotyledons-; invertebrates-; animals- Field-Crops; Plant-Cropping-Systems;

Lumping and correlation analyses of arthropod taxa in tropical irrigated rice fields/Zhang WenJun Schoenly K G

International Rice Research Notes. 2004. 29 (1). 41-43 CD Volume : 432

Keywords : biodiversity-; correlation-analysis; IRRI-; natural-enemies; plant-pests; rice-; sampling-; seasonal-variation; species-diversity; taxonomy-invertebrates-; animals-; insects-; arthropods-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Plant-Pests; Biological-Control; Mathematics-and-Statistics; Animal-Ecology; Taxonomy-and-Evolution

Mapping of QTLs for total number of leaves on the main stem of rice/Dong Y J Kamiunten H Tsuzuki E Terao H Lin D Z Matsuo H Ogawa T

International Rice Research Notes. 2004. 29 (1). 23-25 CD Volume : 432

Keywords : chromosome-maps; genetic-mapping; genetic-markers; inbred-lines; leaves-; polygenic-inheritance; quantitative-trait-loci; quantitative-traits; restriction-fragment-length-polymorphism; rice- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-Field-Crops; Plant-Breeding-and-Genetics; Plant-Morphology-and-Structure

Mass spectrometric analysis of expression of ATPase subunits encoded by duplicated genes in the 19S regulatory parti of rice 26S proteasome/ Shibahara T Kawasaki H Hirano H

Archives of Biochemistry and Biophysics. 2004. 421 (1). 34-41 CD Volume : 427

Keywords : adenosinetriphosphatase. callus. databases. enzymes. gene-expression. genes. genomes. mass-spectrometry. nuotide-sequences. protein-metabolism. rice. rice-bran

Mediation of partial resistance to rice blast through anaerobic induction of ethylene/Singh M P Lee F N Counce P A Gibbons J H

Phytopathology. 2004. 94 (8). 819-825 CD Volume : 440

Keywords : anaerobic-conditions. AVG. cultivars. disease-resistance. dissolved-oxygen. endogenous-growth-regulators. ethephon. ethylene. flooded-rice. flooding. fungal-diseases. gene-expression. plant-diseases. plant-growth-regulators. plant-pathogenic-fungi. plant-pathogens. rice. upland-rice

Modeling rice seedling emergence and growth under tillage and residue management in a rice-wheat system on a Vertisol in Central India/Mohanty M Painuli D K

Soil & Tillage Research. 2004. 76 (2). 167-174 CD Volume : 428

Keywords : crop-residues. no-tillage. rice. seedling-emergence. seedling-growth. seedlings. soil-types. tillage. Vertisols. wheat

Modifying soil test based fertilizer P recommendations for targeted yield of rice on a typical haplustalf/Milap Chand Benbi D K Azaad A S

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Keywords : Alfisols. crop-yield. fertilizer-requirement-determination. nitrogen-fertilizers. nutrient-availability. phosphorus-fertilizers. potassium-fertilizers. rice. soil-fertility. soil-test-values. soil-testing. soil-types. use-efficiency

Molecular analysis of a stress-induced cDNA encoding the translation initiation factor, eIF1, from the salt-tolerant wild relative of rice, *Porteresia coarctata*/Rangan Latha Salekdeh G H Bennett J Swaminathan M S

Functional Plant Biology. 2004. 31 (10). 1035-1041 CD Volume : 443

Keywords : abscisic-acid. complementary-DNA. defence-mechanisms. gene-expression. growth-inhibitors. leaves. mannitol. molecular-genetics. plant-genetic-resources. plant-growth-regulators. salinity. salt-tolerance. stress. stress-response. translation. water-deficit. wild-relatives

Molecular profiling of rice cultivars using RAPD and AFLP marker systems/Maheswaran M

Journal of Genetics & Breeding. 58(1). 2004. 9-16 CD Volume : 435

Keywords : AFLP; genetic-diversity; *Oryza-sativa*; RAPD Organism
Keywords*Oryza-sativa*

Multifaceted approach to determine rice straw phytotoxicity/ Inderjit Rawat D S Foy C L

Canadian Journal of Botany. 2004. 82 (2). 168-176 CD Volume : 442

Keywords : charcoal-; chemical-composition; foliar-diagnosis; inhibition-; leachates-; leaching-; leaves-; nitrogen-; nutrient-solutions; phenolic-compounds; phytotoxicity-; plant-composition; proline-; protein-content; rice-; rice-soils; rice-straw; roots-; sandy-loam-soils; seedling-growth; seedlings-; soil-types; straw-; toria- *Brassica-campestris*; *Brassica*-; *Brassicaceae*-; *Capparidales*-; dicotyledons-; angiosperms-; *Spermatophyta*-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; *Oryza*-; *Poaceae*-; *Cyperales*-; monocotyledons- Field-Crops; Plant-Composition; Plant-Physiology-and-Biochemistry; Plant-Toxicology; Soil-Chemistry-and-Mineralogy; Fertilizers-and-other-Amendments; Plant-Wastes

Multiple loci and epistases control genetic variation for seed dormancy in weedy rice (*Oryza sativa*)/Gu X Y Kianian S F Foley M E

Genetics. 2004. 166 (3). 1503-1516 CD Volume : 443

Keywords : chromosome-maps. crop-plants-as-weeds. epistasis. genes. genetic-mapping. genetic-regulation. genotype-environment-interaction. quantitative-trait-loci. rice. seed-dormancy. seed-germination. seeds

N-acetylchitooligosaccharides elicit rice defence responses including hypersensitive response-like cell death, oxidative burst and defence gene expression/Ning Wei Chen Fang Mao BiZeng Li Qun Liu ZhiXue Guo ZeJian He ZuHua
Physiological and Molecular Plant Pathology. 2004. 64 (5). 263-271 CD Volume : 432

Keywords : apoptosis. cell-suspensions. defence-mechanisms. disease-resistance. enzymes. fungal-diseases. gene-expression. genes. hydrogen-peroxide. leaves. oligosaccharides. oxidation. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice

Natural variation in rice starch synthase IIa affects enzyme and starch properties/Umemoto T Aoki N Lin HongXuan Nakamura Y Inouchi N Sato Y Yano M Hirabayashi H Maruyama S
Functional Plant Biology. 2004. 31 (7). 671-684 CD Volume : 443

Keywords : alkali-metals. alleles. amino-acid-sequences. amylopectin. chromosome-maps. complementary-DNA. cultivars. dextrans. endosperm. enzyme-activity. enzymes. genes. genetic-mapping. genetic-regulation. genetic-variation. lines. metal-tolerance. nuotide-sequences. rice. starch. wild-relatives

Neural network approximation of sampling yield-effort curves of rice invertebrates/Zhang WenJun Qi YanHong Barrion A T
International Rice Research Notes. 2004. 29 (2). 40-42 CD Volume : 432

Keywords : algorithms-; biodiversity-; rice-; sampling-; statistical-analysis animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Mathematics-and-Statistics; Animal-Ecology

New rice cultivars tolerant of complete submergence/ Sarkar R K Reddy J N Marndi B C Patnaik S S C
International Rice Research Notes. 2004. 29 (1). 62-63 CD Volume : 432

Keywords : crop-yield; flooded-rice; flooding-; flooding-tolerance; plant-height; plant-water-relations; rice-; submergence-; survival-; susceptibility-; variety-trials South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Water-Relations; Plant-Production; Environmental-Tolerance-of-Plants; Meteorology-and-Climate

Nitrogen fertilizer increases protein and reduces breakage of rice cultivar Chainat 1/Leesawatwong M Jamjod S Rerkasem B Kuo J Dell B
International Rice Research Notes. 2004. 29 (2). 67-68 CD Volume : 432

Keywords : breakage-; crop-quality; endosperm-; milling-; nitrogen-; nitrogen-fertilizers; rice- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Fertilizers-and-

**other-Amendments; Crop-Produce; Food-Storage-and-Preservation;
Storage-Problems-and-Pests-of-Food; Food-Composition-and-Quality**

Nonparametric richness estimators of hierarchical arthropod taxa in irrigated rice fields/Zhang WenJun Feng YongJun Schoenly K G

International Rice Research Notes. 2004. 29 (1). 39-41 CD Volume : 432

Keywords : estimation-; IRRI-; rice-; sampling-; species-richness; taxonomy-invertebrates-; animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Mathematics-and-Statistics; Animal-Ecology; Taxonomy-and-Evolution

Nursery technology for early production of robust rice seedlings to transplant under integrated crop management/ Rajendran R Balasubramanian V Ravi V Valliappan K Jayaraj T Ramanathan S

International Rice Research Notes. 2004. 29 (2). 73-75 CD Volume : 432

Keywords : filter-cake; growing-media; nurseries-; rice-; rice-husks; seedbeds-; seedling-growth; seedlings-; soil-; vigour- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Production; Plant-Wastes

Osmohardening a new technique for rice seed invigoration/Basra S M A Farooq M Hafeez K Ahmad N

International Rice Research Notes. 2004. 29 (2). 80-81 CD Volume : 432

Keywords : calcium-chloride; cultivars-; osmotic-pretreatment; potassium-chloride; potassium-nitrate; priming-; rice-; roots-; seed-hardening; seed-treatment; seedling-growth; seedlings-; seeds-; shoots-; sodium-chloride; vigour- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Non-food-Non-feed-Plant-Products; Composition-and-Quality-of-Non-food-Non-feed-Plant-Products

Ovarian physiology and age-grading in the rice weevil, *Sitophilus oryzae* (Coleoptera Curculionidae)/Perez Mendoza J Throne J E Baker J E

Journal of Stored Products Research. 2004. 40 (2). 179-196 CD Volume : 429

Keywords : Agronomy- Agriculture-; Economic-Entomology; Methods-and-Techniques; Pest-Assessment-Control-and-Management; Reproduction-IdentifiersX-ray-analysis imaging-and-microscopy-techniques, laboratory-techniques; age-grading applied-and-field-techniques

Overexpression of (At)NPR1 in rice leads to a BTH- and environment-induced lesion-mimic/cell death phenotype/ Fitzgerald H A Chern M S Navarre R Ronald P C
Molecular Plant-Microbe Interactions. 2004. 17 (2). 140-151 CD Volume : 440

Keywords : apoptosis. disease-resistance. gene-expression. genes. hydrogen-peroxide. induced-resistance. phenotypes. plant-pathogenic-bacteria. plant-pathogens. rice. salicylic-acid

Over-expression of chloroplastic lipoxygenase RCI1 causes PR1 transcript accumulation in transiently transformed rice/ Zabbai F Jarosch B Schaffrath U
Physiological and Molecular Plant Pathology. 2004. 64 (1). 37-43 CD Volume : 432

Keywords : chloroplasts. disease-resistance. gene-expression. genes. genetic-engineering. genetic-transformation. induced-resistance. leaves. lipoxygenase. messenger-RNA. rice. transgenic-plants

Participatory irrigation management for efficient water use and enhanced rice productivity in Tamil Nadu, India/ Chandrasekaran B Nandhagopal A Palanisami K Sivakumar S D Balasubramanian V Rajendran R

International Rice Research Notes. 2004. 29 (2). 69-70 CD Volume : 432

Keywords : community-involvement; crop-yield; flood-irrigation; irrigation-; irrigation-systems; plant-water-relations; rice-; social-participation; water-use; water-use-efficiency South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Water-Relations; Plant-Production; Soil-Water-Management-Irrigation-and-Drainage;

Partitioning of ¹³C-labelled photosynthate varies with growth stage and panicle size in high-yielding rice/Mohapatra P K Masamoto Y Morita S Takanashi J Kato T Itani T Adu Gyamfi J J Muthiah Shunmugasundaram Nguyen Tran Nguyen Saneoka H Fujita K

Functional Plant Biology. 2004. 31 (2). 131-139 CD Volume : 443

Keywords : branches. crop-growth-stage. cultivars. flag-leaf. leaves. panicles. photosynthates. rice. rice-husks. seeds. source-sink-relations. spikelets. translocation

Pathogenic variability of rice blast isolates in Nepal/ Chaudhary B Shrestha S M Sharma R C
International Rice Research Notes. 2004. 29 (2). 47-49 CD Volume : 432

Keywords : disease-resistance; fungal-diseases; pathogenicity-; pathotypes-; plant-diseases; plant-pathogenic-fungi; plant-pathogens; rice-; varietal-resistance Magnaporthe-; Polystigmatales-; Ascomycotina-; Eumycota-; fungi-; South-Asia; Asia-; Least-Developed-Countries; Developing-Countries; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Host-Resistance-and-Immunity; Genetics-and-Molecular-Biology-of-Microorganisms

Pattern of energy use in high-yielding sali rice varieties in Assam, northeast India/Saikia H Halim R A Bhowmick B C

International Rice Research Notes. 2004. 29 (1). 68-69 CD Volume : 432

Keywords : costs-; crop-production; energy-consumption; high-yielding-varieties; production-economics; profitability-; returns-; rice- India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Agricultural-Economics; Input-Utilization-Microeconomics; Field-Crops; Plant-Production

Pattern recognition on sample characteristics of invertebrates in an irrigated rice field/Zhang W Schoenly K G

International Rice Research Notes. 2004. 29 (1). 37-39 CD Volume : 432

Keywords : biodiversity-; characteristics-; IRRI-; rice-; sampling-; species-diversity; taxonomy- insects-; arthropods-; invertebrates-; animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Mathematics-and-Statistics; Animal-Ecology; Taxonomy-and-Evolution

Percolation losses of water in relation to pre-puddling tillage and puddling intensity in a puddled sandy loam rice (*Oryza sativa* L.) field/Kukul S S Sidhu A S

Soil & Tillage Research. 2004. 78 (1). 1-8 CD Volume : 428

Keywords : cultivation. discing. Inceptisols. irrigation-water. percolation. puddling. rice. sandy-loam-soils. soil-types. tillage

Performance of transplanted Basmati rice in different cropping systems as affected by N application/Sidhu M S Sikka R Singh T

International Rice Research Notes. 2004. 29 (1). 63-65 CD Volume : 432

Keywords : application-rates; crop-yield; fallow-; fertilizer-requirement-determination; green-manures; lodging-; nitrogen-fertilizers; panis-; plant-disease-control; rice-; sequential-cropping; sunflowers-; wheat-; yield-components Helianthus-; Asteraceae-; Asterales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; Sesbania-; Papilionoideae-; Fabaceae-; Fabales-; Triticum- Field-Crops; Plant-Nutrition; Plant-Production; Plant-Cropping-Systems; Plant-Disorders-and-Injuries-Not-caused-directly-by-Organisms; Fertilizers-and-other-Amendments

Phylogenetic analysis of 5'-noncoding regions from the ABA-responsive rab16/17 gene family of sorghum, maize and rice provides insight into the composition, organization and function of cis-regulatory modules/Buchanan C D Klein P E Mullet J E
Genetics. 2004. 168 (3). 1639-1654 CD Volume : 443

Keywords : binding-sites. genes. maize. messenger-RNA. phylogenetics. promoters. regulatory-sequences. rice. transcription-factors

Physicochemical properties and cooking qualities of two varieties of raw and parboiled rice cultivated in the coastal region of Dakshina Kannada, India/Sujatha S J Rasheed Ahmad Bhat P R

Food Chemistry. 2004. 86 (2). 211-216 CD Volume : 431

Keywords : amylose. carbohydrates. chemical-composition. cooking-quality. crude-fibre. fat. protein-content. reducing-sugars. rice

Possibility of using waste tire composites reinforced with rice straw as construction materials/Yang HanSeung Kim DaeJun Lee YoungKyu Kim HyunJoong Jeon JinYong Kang ChunWon VariantH. S. K.-D. J. L.-Y. K. K.-H. J. J.-J. Y. K.-C. W. Yang

Bioresource Technology. 2004. 95 (1). 61-65 CD Volume : 432

Keywords : building-materials. composite-boards. flexibility. insulating-materials. insulation. lignocellulosic-wastes. partiboards. rice. rice-straw. straw. swelling. thickness. tyres. waste-management. waste-utilization

Postharvest technology of rice role of farm women in storing grains/Sumathi P Budhar M N

International Rice Research Notes. 2004. 29 (2). 87-88 CD Volume : 432

Keywords : grain-; innovation-adoption; postharvest-systems; storage-; women-South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Homo-; Hominidae-; Primates-; mammals-; vertebrates-; Chordata-; animals- Extension-and-Advisory-Work; Crop-Produce; Food-Storage-and-Preservation; Women-

Potential health benefits of golden rice a Philippine case study/Zimmermann R Qaim M

Food Policy. 2004. 29 (2). 147-168 CD Volume : 427

Keywords : beta-carotene. case-studies. cost-benefit-analysis. nutrition. rice. transgenic-plants. vitamin-A-deficiency

Predatory behavior of mirid bug, *Cyrtorhinus lividipennis*, on rice plants with different nitrogen regimes/Lu Z X Yu X P Hu C

International Rice Research Notes. 2004. 29 (2). 38-40 CD Volume : 432

Keywords : biological-control; biological-control-agents; feeding-preferences; insect-control; insect-pests; nitrogen-; nitrogen-fertilizers; nutrient-content; pest-control; plant-nutrition; plant-pests; predation-; predators-; predatory-insects; rice- Cyrtorhinus-; Miridae-; Heteroptera-; Hemiptera-; insects-; arthropods-; invertebrates-; animals-; Nilaparvata-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-;

**plants- Field-Crops; Plant-Nutrition; Plant-Pests; Biological-Control;
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Keywords : apoptosis. catalase. cytoplasmic-male-sterility. enzyme-activity. enzymes. mitochondria. peroxidase. phenotypes. pollen. rice. stress. superoxide-dismutase

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Keywords : characteristics-; crop-yield; disease-resistance; fungal-diseases; high-yielding-varieties; insect-pests; pest-resistance; plant-diseases; plant-pathogenic-bacteria; plant-pathogenic-fungi; plant-pathogens; plant-pests; rice-; varietal-resistance; variety-trials India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Cnaphalocrocis-

Pyralidae; Lepidoptera; insects; arthropods; invertebrates; animals; Nilaparvata; Delphacidae; Fulgoroidea; Auchenorrhyncha; Homoptera; Hemiptera; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Rhizoctonia; Deuteromycotina; Eumycota; fungi; Xanthomonas-oryzae; Xanthomonas; Xanthomonadaceae; Gracilicutes; bacteria; prokaryotes- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Plant-Pests; Host-Resistance-and-Immunity

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Keywords : extraction. fatty-acids. food-processing. lipids. rice-bran. rice-oil. stabilization

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Keywords : **animal-nutrition. beef-cattle. cattle-feeding. feed-supplements. maize. poultry-manure. rice. rice-byproducts. rice-husks. soyabean-husks**

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P Shrivastava S K

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Keywords : constraints-; crop-production; crop-yield; cultivars-; production-economics; rice- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India-Agricultural-Economics; Field-Crops; Plant-Production

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Keywords : alternative-farming; beneficial-insects; crop-yield; cultivars-; insect-control; panis-; pest-control; plant-height; poultry-; poultry-farming; rice-; seed-weight; tillers-; weed-control; weeds-; yield-components Arachnida-; arthropods-; invertebrates-; animals-; South-Asia; Asia-; Least-Developed-Countries; Developing-Countries; Commonwealth-of-Nations; Coleoptera-; insects-; Auchenorrhyncha-; Homoptera-; Hemiptera-; Anatidae-; Anseriformes-; birds-; vertebrates-; Chordata-; poultry-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Production; Plant-Cropping-Systems; Plant-Pests; Other-Control-Measures; Egg-Producing-Animals

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Keywords : endangered-species; habitats-; rice-; vertebrate-pests Muridae-; rodents-; mammals-; vertebrates-; Chordata-; animals-; small-mammals; Mus-; Murinae-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries; Rattus-; Suncus-; Soricidae-; insectivores-Field-Crops; Plant-Pests; Animal-Ecology

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Keywords : characteristics-; crop-quality; high-yielding-varieties; lodging-; plant-disorders; resistance-; shedding-; rice-; growth-period India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Plant-Disorders-and-Injuries-Not-caused-directly-by-Organisms

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Keywords : arable-land. available-water-capacity. bulk-density. calcium-carbonate. continuous-cropping. cropping-systems. geographical-information-systems. land-use. land-use-planning. organic-carbon. remote-sensing. rice. satellite-imagery. soil-density. soil-organic-matter. soil-physical-properties. soil-texture. soil-water-constants. soil-water-retention. spatial-variation. sustainability. topography. watersheds. watersheds

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Keywords : crop-quality; quality-standards; rice-; seed-certification; seeds- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations Field-Crops; Crop-Produce; Food-Composition-and-Quality

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Keywords : cluster-distance; CMS-lines; genetic-diversity; outcrossing-traits

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Keywords : crop-yield; drainage-systems; electrical-conductivity; groundwater-; groundwater-level; leaching-; rice-; salts-in-soil; soil-degradation; soil-salinity; subsurface-drainage; sustainability-; water-table India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Production; Soil-Chemistry-and-Mineralogy; Soil-Fertility; Soil-Water-Management-Irrigation-and-Drainage; Pollution-and-Degradation

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Keywords : carcass-quality. cellulase. costs. diet. digestibility. enzymes. feed-additives. feed-conversion-efficiency. feed-intake. liveweight-gain. proteinases. rabbit-feeding. rice-bran

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Keywords : crop-production. efficiency. production-economics. rice. socioeconomics

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Keywords : drying. drying-temperature. food-processing. mechanical-properties. modulus-of-elasticity. parboiling. rice. steaming. tempering. tensile-strength Organism **Keywords**Oryza. Oryza-sativa

The avrRxo1 gene from the rice pathogen *Xanthomonas oryzae* pv. *oryzicola* confers a nonhost defense reaction on maize with resistance gene Rxo1/Zhao B Y Ardales E Y Raymundo A Bai J F Trick H N Leach J E Hulbert S H

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Keywords : disease-resistance. gene-expression. genes. maize. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. Rice Organism **Keywords**Oryza. Oryza-sativa. *Xanthomonas-oryzae-pv-oryzicola*. Zea-mays

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Keywords : amino-acid-sequences. defensive-secretions. evolution. gene-expression. genes. genomes. glycoproteins. laccase. multigene-families. nuotide-sequences. peroxidase. phylogenetics. phytochrome. rice

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Keywords : algorithms. databases. genes. genetic-theory. nuotide-sequences. rice

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Keywords : amino-acids. disease-resistance. genes. nuotides. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. recessiveness. rice. susceptibility. transcription. transcription-factors

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Keywords : characteristics-; crop-yield; rice-; salt-tolerance South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Breeding-and-Genetics; Environmental-Tolerance-of-Plants

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Keywords : llelochemicals. allelopathy. chemical-composition. flavones. fungal-diseases. leaves. plant-composition. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice. spore-germination. weeds

Two outstanding rice varieties developed through selection from naturally occurring genetic variation in Sri Lanka/Abey Siriwardena D S de Z

International Rice Research Notes. 2004. 29 (2). 22-23 CD Volume : 432

Keywords : characteristics-; crop-quality; crop-yield; drought-resistance; flooding-tolerance; fungal-diseases; insect-pests; pest-resistance; plant-diseases; plant-pathogenic-bacteria; plant-pathogenic-fungi; plant-pathogens; plant-pests; rice- Magnaporthe-; Polystigmatales-; Ascomycotina-; Eumycota-; fungi-; Nilaparvata-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Hemiptera-; insects-; arthropods-; invertebrates-; animals-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Xanthomonas-oryzae; Xanthomonas-; Xanthomonadaceae-; Gracilicutes-; bacteria-; prokaryotes- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Plant-Pests; Environmental-Tolerance-of-Plants; Host-Resistance-and-Immunity

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Keywords : characteristics-; crop-quality; high-yielding-varieties; lodging-; maturation-; photoperiod-; plant-development; plant-disorders; resistance-; rice-; tillering- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; East-Africa; Africa-South-of-Sahara; Africa-; Least-Developed-Countries; Developing-Countries; ACP-Countries; Commonwealth-of-Nations; SADC-Countries; Anglophone-Africa Environmental-Tolerance-of-Plants; Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Plant-Disorders-and-Injuries-Not-caused-directly-by-Organisms

Utilization of energy and protein in local Indian crossbred gilts fed diets containing different levels of rice bran/Soren N M Bhar R Chhabra A K Mandal A B

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Keywords : crossbreds. diet. digestible-energy. energy-digestibility. feed-conversion-efficiency. gilts. liveweight-gain. metabolizable-energy. native-livestock. nitrogen-balance. nitrogen-retention. pig-feeding. protein-digestibility. protein-digestion. rice-bran.

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Keywords : bioavailability-; correlation-analysis; crop-quality; cultivars-; iron-; nutritive-value; phytates-; rice- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Plant-Breeding-and-Genetics; Crop-Produce; Food-Composition-and-Quality

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Keywords : cultural-activities; genetic-diversity; germplasm-; in-situ-conservation; marriage-; rice-; seed-banks; seed-exchange Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Plant-Breeding-and-Genetics; Biological-Resources-Plant; Social-Psychology-and-Social-Anthropology

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Keywords : biomass-production; chemical-control; crop-yield; cultural-control; herbicides-; Inceptisols-; integrated-control; manual-weed-control; pendimethalin-; physical-control; returns-; rice-; sandy-loam-soils; seedbed-preparation; sowing-; weed-control; weeding-; weeds- Celosia-; Amaranthaceae-; Caryophyllales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; Cyperus-; Cyperaceae-; Cyperales-; monocotyledons-; Echinochloa-; Poaceae-; Eclipta-; Asteraceae-; Asterales-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Pontederiaceae-; Liliales-; Oryza-; Setaria-Poaceae; India-Agricultural-Economics; Field-Crops; Plant-Production; Weeds-and-Noxious-Plants; Environmental-Pest-Management; Integrated-Pest-Management; Pesticides-and-Drugs-Control

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Keywords : disease-transmission. plant-pathogens. rice. wind

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Keywords : carbofuran. chemical-control. crop-yield. dry-matter. growth. lowland-areas. nematicides. nematode-control. pest-control. plant-height. plant-parasitic-nematodes. plant-pests. rice. seedbeds. seedlings. yield-losses

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Plant Disease. 2005. 89 (11). 1171-1174 CD Volume: 456

Keywords : **application-date. application-rates. chemical-control. crop-growth-stage. crop-yield. fungal-diseases. fungicides. heading. panicles. plant-development. plant-disease-control. plant-diseases. plant-pathogenic-fungi. plant-pathogens. rice**

Basal N fertilization increases productivity of rainfed upland rice/Singh R K Singh C V

International Rice Research Notes. 2005. 30 (2). 33-34 CD Volume : 457

Keywords : **adventitious-roots; basal-dressings; crop-yield; leaf-area; leaves; nitrogen-fertilizers; plant-height; rice; roots; split-dressings; tillers; upland-rice; yield-components South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; India; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants- Field-Crops; Plant-Production; Fertilizers-and-other-Amendments**

Bio-active composts from rice straw enriched with rock phosphate and their effect on the phosphorous nutrition and microbial community in rhizosphere of cowpea/Zayed G Abdel Motaal H

Bioresource Technology. 2005. 96 (8). 929-935 CD Volume : 448

Keywords : **carbon-nitrogen-ratio. composts. cowpeas. farmyard-manure. microbial-flora. nutrient-uptake. organic-amendments. organophosphorus-compounds. phosphorus. phosphorus-fertilizers. rhizosphere. rice. rice-straw. rock-phosphate. soil-bacteria. soil-fungi. straw. superphosphates**

Bird use of rice field strips of varying width in the Kanto Plain of central

Japan Agriculture, Ecosystems & Environment. 105(1-2). 2005. 347-351 CD Volume449
Maeda T

Keywords : **Agriculture; Core; Edge; Farmland-birds; Rice; Strip-width**

Can rhizobial inoculation promote rice growth through nitrogen fixation?

International Rice Research Notes. 2005. 30 (2). 28-29 CD Volume457 Singh R K Mishra R P N Jaiswal H K

Keywords : **crop-yield; dry-matter; endophytes; growth; inoculation; nitrogen-fixation; nitrogen-fixing-bacteria; rhizosphere-bacteria; rice- South-Asia; Asia; Developing-Countries; Commonwealth-of-Nations; Oryza; Poaceae; Cyperales; monocotyledons; angiosperms; Spermatophyta; plants; Rhizobium; Rhizobiaceae; Gracilicutes;**

Characteristics of methane emission from wetland rice-duck complex ecosystem/Huang Y Wang H Huang H Feng Z W Yang Z H Luo Y C

Agriculture, Ecosystems & Environment. 105(1-2). 2005. 181-193 CD Volume : 449

Keywords : **Wetland; Rice-duck-complex-ecosystem; Methane-emission-flux; Rice; Oryza-sativa**

Characterizing the constraints for the adoption of a Calloponium mucunoides improved fallow in rice production systems in northern Ghana/Langyintuo A S Dogbe W

Agriculture, Ecosystems & Environment. 2005. 110 (1/2). 78-90 CD Volume 449

Keywords : **continuous-cropping. cover-crops. crop-residues. crop-yield. cropping-systems. fallow. indigenous-knowledge. innovation-adoption. profits. rice. soil-fertility. traditional-technology**

Chemical properties of lateritic soil and yield of rice as influenced by addition of fly ash

International Rice Research Notes. 2005. 30 (1). 35-37 CD Volume 457 Subramoniam S R Chandrasekaran A

Keywords : **acid-soils; application-rates; calcium-; cation-exchange-capacity; coir-; crop-yield; electrical-conductivity; exchangeable-calcium; exchangeable-magnesium; fly-ash; iron-; irrigated-conditions; lateritic-soils; lime-; liming-; magnesium-; nitrogen-; nutrient-availability; nutrient-content; organic-carbon; phosphorus-; potassium-; red-soils; rice-; rice-husks; rice-soils; soil-chemical-properties; soil-organic-matter; soil-pH; soil-types; waste-utilization; zinc- South-Asia; Asia.**

Chemistry of nitrogen transformation in submerged soil and scientific management of urea fertilizer for higher rice productivity/Panda D

Journal of the Indian Society of Soil Science. 2005. 53 (4). 500-513 CD Volume : 458

Keywords : **ammonia-; denitrification-; hydrolysis-; leaching-; losses-from-soil; nitrification-; nitrogen-; nitrogen-fertilizers; rice-; rice-soils; runoff-; soil-types; submergence-; urea-fertilizers; volatilization- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations Field-Crops; Plant-Production; Soil-Biology; Soil-Chemistry-and-Mineralogy; Fertilizers-and-other-Amendments**

Climatic water balance, probable rainfall, rice crop water requirements and cold periods in AER 12.0 in/Gouranga Kar Verma H N

India Agricultural Water Management. 2005. 72 (1). 15-32 CD Volume : 449

Keywords : **climate. cultivation. evapotranspiration. geographical-information-systems. irrigation-systems. mapping. plant-water-relations. rain. rice. seasonal-variation. spatial-variation. temperature. water-balance. water-requirements**

Combination soaking procedure for rough rice parboiling/Igathinathane C Chattopadhyay P K Pordesimo L O

Transactions of the ASAE. 2005. 48 (2). 665-671 CD Volume : 456

Keywords : food-quality. moisture-content. parboiling. rice. soaking. starch. temperature

Comprehensive molecular cytogenetic analysis of sorghum genome architecture distribution of euchromatin, heterochromatin, genes and recombination in comparison to rice/Kim JS Islam Faridi MN Klein PE Stelly DM Price HJ Klein RR Mullet JE

Genetics. 2005. 171. (4.). 1963-1976 CD Volume : 455

Contribution of on-farm assessment of improved varieties and crop management to yield of deepwater rice/Ghosh A Singh B N

International Rice Research Notes. 2005. 30 (2). 38-39 CD Volume : 457

Keywords : butachlor-; carbofuran-; chemical-control; crop-management; crop-yield; cultivars-; deep-water-rice; herbicides-; improved-varieties; insect-control; insect-pests; insecticides-; manual-weed-control; nitrogen-fertilizers; NPK-fertilizers; on-farm-production; pest-control; phosphorus-fertilizers; physical-control; plant-pests; ploughing-; potassium-fertilizers; production-economics; rice-; sowing-; weed-control; weeding-; weeds- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; arthropods-; invertebrates-; animals- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Weeds-and-Noxious-Plants; Plant-Pests; Environmental-Pest-Management; Pesticides-and-Drugs-Control; Fertilizers-and-other-Amendments

Co-uptake of atrazine and mercury by rice seedlings from water/ Su YuHong Zhu YongGuan Du Xin

Pesticide Biochemistry and Physiology. 2005. 82 (3). 226-232 CD Volume : 449

Keywords : atrazine. growth. heavy-metals. herbicide-residues. mercury. phytotoxicity. polluted-water. rice. seedlings. toxic-substances. uptake. water-pollution. water-quality

Crossing rate and distance in upland rice/Silva E F da Silva L M da Montalvan R

Bragantia. 2005. 64 (2). 197-201 CD Volume : 457

Keywords : alleles. crossing. cultivars. rice. upland-rice Geographic LocatorBrazil. Pernambuco

Decreased accumulation of glutelin types in rice grains constitutively expressing a sunflower seed albumin gene/Nazrul Islam Upadhyaya N M Campbell P M Akhurst R Hagan N Higgins T J V

Phytochemistry. 2005. 66 (21). 2534-2539 CD Volume : 448

Keywords : albumins. gene-expression. genes. genetic-transformation. globulins. glutelins. polypeptides. rice. seeds. sulfur-fertilizers. sunflowers. transgenic-plants

Development of a numerical simulation model for long-range migration of rice planthoppers /Furuno A Chino M Otuka A Watanabe T Matsumura M Suzuki Y

Agricultural and Forest Meteorology. 2005. 133 (1/4). 197-209 CD Volume : 448

Keywords : environmental-factors. flight. insect-pests. migration. plant-pests. simulation-models. temperature

Development of preharvest sprouting tolerance screening technique in rice/Mahbub A A Rahman M S Khanam M Gomosta A R

International Rice Research Notes. 2005. 30 (1). 50-51 CD Volume : 457

Keywords : cultivars-; preharvest-sprouting; rice-; screening-; techniques- South-Asia; Asia-; Least-Developed-Countries; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Techniques-and-Methodology

Differences in cooking and eating properties between chalky and translucent parts in rice grains/Cheng F M Zhong L J Wang F Zhang G P

Food Chemistry. 2005. 90 (1/2). 39-46 CD Volume : 448

Keywords : cooking. cooking-quality. food-quality. palatability. physicochemical-properties. rice. temperature. texture. thermal-properties

Digestion characteristics and growth of steers fed a corn-grain based supplement compared to a de-oiled rice bran plus cottonseed supplement with or without extrusion processing/Gadberry M S Beck P A Kellogg D W Gunter S A

Animal Feed Science and Technology. 2005. 118 (3/4). 267-277 CD Volume : 449

Keywords : beef-cattle. cottonseed-oilmeal. digestibility. digestion. extrusion. fattening-performance. growth. rice-bran. rumen-digestion. steers

Distribution and characterization of Rice yellow mottle virus a threat to African farmers/Kouassi N K N'Guessan P Albar L Fauquet C M Brugidou C

Plant Disease. 2005. 89 (2). 124-133 CD Volume : 456

Keywords : crop-production. disease-resistance. epidemiology. genetics. geographical-distribution. plant-breeding. plant-diseases. plant-pathogens. reviews. rice. symptomatology

DNA rearrangement in orthologous orp regions of the maize, rice and sorghum genomes/Ma J SanMiguel P Lai J Messing J Bennetzen JL

Genetics. 2005. 170. (3.). 1209-1220 CD Volume : 455

Keywords : **Base Sequence. Chromosome Mapping. Chromosomes, Artificial, Bacterial. Comparative Study. Gene Components. Gene Rearrangement. *Genome, Plant. Genomics. Molecular Sequence Data. Oryza sativa. Research Support, U.S. Gov't, Non-P.H.S.. Sequence Analysis, DNA. Sorghum. Species Specificity.**

Drought-induced shifting of stem borer species in shallow deepwater rice/Singh R A Singh R B Singh G

International Rice Research Notes. 2005. 30 (2). 24 CD Volume : 457

Keywords : **cultivars-; deep-water-rice; drought-; infestation-; insect-pests; pest-resistance; plant-pests; population-dynamics; rice-; varietal-resistance Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Sesamia-; Noctuidae-; Lepidoptera-; insects-; arthropods-; invertebrates-; animals-; India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations Field-Crops; Plant-Breeding-and-Genetics; Plant-Pests; Host-Resistance-and-Immunity; Animal-Ecology**

Effect of cooling methods and milling procedures on the appraisal of rice milling quality/Pan Z Thompson J F Amaratunga K S P Anderson T Zheng X

Transactions of the ASAE. 2005. 48 (5). 1865-1871 CD Volume : 456

Keywords : **coolers. cooling. cooling-systems. crop-quality. crop-yield. heat-exchange. heat-exchangers. milling. rice. temperature**

Effect of flag leaf clipping and GA3 application on hybrid rice seed yield/Islam M S Ahmed G J U Julfiquar A W

International Rice Research Notes. 2005. 30 (1). 46-47 CD Volume : 457

Keywords : **crop-yield; flag-leaf; gibberellic-acid; hybrids-; outcrossing-; panicles-; plant-growth-regulators; plant-height; rice-; tillers- South-Asia; Asia-; Least-Developed-Countries; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Physiology-and-Biochemistry; Plant-Production**

Effect of level of crude protein and use of cottonseed meal in diets containing cassava chips and rice straw for lactating dairy cows/Print Article Pages 502-511 Promkot C Wanapat M

Asian-Australasian Journal of Animal Sciences. 2005. 18 (4). 502-511 CD Volume : 458

Keywords : **cassava. cattle-feeding. cost-benefit-analysis. cottonseed-oilmeal. cows. crude-protein. dairy-cattle. digestibility. dry-matter. feed-intake. Holstein-Friesian. lactation. milk. milk-fat-yield. milk-protein-yield. milk-yield. rice. rice-straw. straw**

Effect of low-light stress at various growth phases on yield and yield components of two rice cultivars/Singh S

International Rice Research Notes. 2005. 30 (2). 36-37 CD Volume : 457

Keywords : crop-growth-stage; crop-yield; cultivars-; growth-; harvest-index; light-intensity; panicles-; plant-height; rice-; spikelets-; sterility-; stress-; stress-response; yield-components India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production

Effect of neem seed kernel extracts on stem borer damage and yield of upland rice in southeastern Nigeria/Amaugo G O Emosairue S O

International Rice Research Notes. 2005. 30 (1). 24-25 CD Volume : 457

Keywords : application-rates; botanical-insecticides; crop-damage; crop-growth-stage; crop-yield; insect-pests; insecticidal-plants; insecticidal-properties; insecticides-; neem-seed-extract; non-wood-forest-products; plant-development; plant-extracts; plant-pests; rice-; tillering-; upland-rice Azadirachta-; Meliaceae-; Sapindales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; Chilo-; Pyralidae-; Lepidoptera-; insects-; arthropods-; invertebrates-; animals-; Diopsis-; Diopsidae-; Diptera-; Malirapha-; West-Africa; Africa-South-of-Sahara; Africa-; Developing-Countries; ACP-Countries; Commonwealth-of-Nations; Anglophone-Africa; Oryza-; Poaceae-; Cyperales-; monocotyledons-; Sesamia-; Noctuidae- Field-Crops; Plant-Production; Plant-Pests; Pesticides-and-Drugs-Control; Non-wood-Forest-Products; Non-food-Non-feed-Plant-Products

Effect of nitrogen and silicon levels on growth, yield attributes, and yield of rice in Alfisols/Singh K K Singh K Singh R

International Rice Research Notes. 2005. 30 (1). 40-41 CD Volume : 457

Keywords : Alfisols-; application-rates; crop-growth-stage; crop-yield; maturity-stage; nitrogen-fertilizers; panicles-; rice-; silicon-fertilizers; soil-types; tillers-; yield-components Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Production; Soil-Morphology-Formation-and-Classification; Fertilizers-and-other-Amendments

Effect of P solubilizing microorganisms on yield of rice and nutrient availability in an acid soil of Mizoram/Print Article Pages 240-243 Laxminarayana K

Journal of the Indian Society of Soil Science. 2005. 53 (2). 240-243 CD Volume : 458

Keywords : acid-soils. application-rates. crop-yield. Inceptisols. microorganisms. nutrient-availability. nutrients. phosphorus. rice. rock-phosphate. soil-flora. soil-properties. soil-types. use-efficiency

Effect of pelletizing on the feeding value of rice straw in steam-flaked corn growing-finishing diets for feedlot cattle/Ware R A Zinn R A

Animal Feed Science and Technology. 123-124(Part 2). 2005. 631-642 CD Volume : 449

Keywords : Pellet; Pelletized; Rice-straw; Cattle

Effect of potassium phosphate fertilization on production and emission of methane and its ¹³C-stable isotope composition in rice microcosms/Conrad R Klose M

Soil Biology & Biochemistry. 2005. 37 (11). 2099-2108 CD Volume : 449

Keywords : emission. methane-production. oxidation. plant-height. potassium-phosphates. rhizosphere. rice. roots. tillers

Effect of rice crop establishment methods on hybrid rice productivity in northwest India/Gangwar K S Sharma S K Tomar O K Pandey D K

International Rice Research Notes. 2005. 30 (2). 42-43 CD Volume : 457

Keywords : crop-establishment; crop-yield; direct-sowing; mechanical-methods; panicles-; rice-; tillers-; transplanting-; yield-components South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Production

Effect of the system of rice intensification on hybrid rice performance and yield/Islam M S Ahmed G J U Julfikar A W

International Rice Research Notes. 2005. 30 (2). 43-45 CD Volume : 457

Keywords : broadcasting-; crop-establishment; crop-yield; intensification-; panicles-; plant-height; rice-; sowing-; spacing-; spikelets-; sterility-; tillers-; transplanting-; yield-components South-Asia; Asia-; Least-Developed-Countries; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Production; Plant-Cropping-Systems

Effects of cover crop and straw mulching on no-tillage, no-fertilised, direct-sown rice cropping systems/Cho YoungSon

Australian Journal of Experimental Agriculture. 2005. 45 (10). 1297-1305 CD Volume : 451

Keywords : biomass-production. cover-crops. crop-yield. cropping-systems. direct-sowing. fallow. growth. mulching. no-tillage. no-tillage. panicles. rice. rotations. rye. seed-germination. seedling-emergence. yield-components

Effects of feeding rice protein concentrate on growth performance and ileal digestibility in early-weaned pigs/Print Article Pages 384-389 Yun J H Yong J S Chae B J

Asian-Australasian Journal of Animal Sciences. 2005. 18 (3). 384-389 CD Volume : 458

Keywords : amino-acids. blood-protein. chemical-composition. digestibility. feed-conversion-efficiency. feed-intake. growth. liveweight-gain. nutritive-value. protein-sources. rice-protein. soya-protein

Effects of rice bran oil on plasma lipid concentrations, lipoprotein composition, and glucose dynamics in mares/Frank N Andrews F M Elliott S B Lew J Boston R C
Journal of Animal Science. 2005. 83 (11). 2509-2518 CD Volume : 456

Keywords : blood-chemistry. blood-sugar. cholesterol. diet. fatty-acids. feed-supplements. glucose. high-density-lipoprotein. insulin. lipids. lipoproteins. liveweight-gain. mares. rice-bran. rice-oil. triacylglycerols. very-low-density-lipoprotein

Effects of rice bran on sensory and physico-chemical properties of emulsified pork meatballs/Huang S C Shiau C Y Liu T E Chu C L Hwang D F
Meat Science. 2005. 70 (4). 613-619 CD Volume : 449

Keywords : chemical-composition. emulsions. fats. meat-products. organoleptic-traits. particle-size. physicochemical-properties. pigmeat. protein-content. rice-bran. tastes. texture

Effects of supplementing rice straw growth substrate with cotton seeds on the analytical characteristics of the mushroom, *Pleurotus florida* (Block & Tsao)/Shashirekha M N Rajarathnam S Zakia Bano
Food Chemistry. 2005. 92 (2). 255-259 CD Volume : 448

Keywords : amino-acids. chemical-composition. cottonseed. culture-media. cysteine. edible-fungi. essential-amino-acids. fibre. isoleucine. leucine. linoleic-acid. methionine. mushrooms. nutritive-value. phenylalanine. polyenoic-fatty-acids. protein-content. rice. rice-straw. straw. valine

Efficiency of physical barriers in maintaining isolation distance in hybrid rice seed production/Yadav R D S Singh G R

International Rice Research Notes. 2005. 30 (2). 39-40 CD Volume : 457

Keywords : barriers-; contamination-; hybrid-seed-production; polyethylene-film; rice- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Sesbania-; Fabaceae-; Fabales-; dicotyledons-; India- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production

Energy balance and water use efficiency of rice canopies under free-air CO₂ enrichment/Yoshimoto M Oue H Kobayashi K

Agricultural and Forest Meteorology. 2005. 133 (1/4). 226-246 CD Volume : 448

Keywords : canopy. carbon-dioxide. carbon-dioxide-enrichment. energy-balance. evapotranspiration. heat-transfer. leaf-area-index. leaf-conductance. leaves. micrometeorology. plant-water-relations. rice. stomata. stomatal-movement. temperature. transpiration. water-use-efficiency

Enhancing outcrossing potential in hybrid rice/Yadav R D S Singh G R Srivastava J P
International Rice Research Notes. 2005. 30 (1). 20-21 CD Volume : 457

Keywords : crop-quality; crop-yield; crosses-; emergence-; flowering-; genetic-improvement; gibberellic-acid; homeopathic-drugs; hybrids-; longevity-; outcrossing-; panicles-; plant-development; plant-growth-regulators; pollen-; rice-; seed-set; seeds-; stigma- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Breeding-and-Genetics; Plant-Physiology-and-Biochemistry; Plant-Production

Ergosterol content of Basidiomycetes culture in rice/Kim Y D Kim B K Park H K
International Rice Research Notes. 2005. 30 (1). 43-44 CD Volume : 457

Keywords : application-rates; cost-benefit-analysis; crop-yield; nitrogen-fertilizers; rice-; rice-straw; straw-; use-efficiency South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India-Agricultural-Economics; Field-Crops; Plant-Production; Fertilizers-and-other-Amendments

Evaluating integrated nutrient management for the biasi system of rainfed rice cultivation/Swarnkar A K Victor V M Rajput A S
International Rice Research Notes. 2005. 30 (1). 34-35 CD Volume : 457

Keywords : application-rates; crop-yield; cultivation-; economic-analysis; green-manures; income-; nitrogen-fertilizers; NPK-fertilizers; panicles-; phosphorus-fertilizers; plant-height; potassium-fertilizers; rice-; seed-weight; soil-amendments; yield-components South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Sesbania-; Papilionoideae-; Fabaceae-; Fabales-; dicotyledons-Agricultural-Economics; Field-Crops; Plant-Nutrition; Plant-Production; Fertilizers-and-other-Amendments

Evaluating sodicity tolerance in rice hybrids/Geetha S Mohandas S Mohammed S E N Anthoniraj S

International Rice Research Notes. 2005. 30 (2). 26-27 CD Volume : 457

Keywords : crop-yield; exchangeable-sodium; fertility-; heterosis-; hybrids-; rice-; sodic-soils; sodium-; soil-types; spikelets-; tolerance- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Environmental-

Evaluation of soil suitability to rice-based cropping system in the river island of Majuli, Assam/Print Article Pages 35-40 Vadivelu S Baruah U Bhaskar B P Thampi J Sarkar D Butte P S

Journal of the Indian Society of Soil Science. 2005. 53 (1). 35-40 CD Volume : 458

Keywords : cabbages. cation-exchange-capacity. chemical-composition. cowpeas. crop-production. cropping-systems. drainage. evaluation. floodplains. intensive-cropping. islands. loam-soils. mapping. mottles. organic-carbon. peas. physiographic-features. potatoes. rape. rice. rivers. sandy-loam-soils. sandy-soils. silt-loam-soils. soil-composition. soil-pH. soil-suitability. soil-texture. spatial-distribution. subsoil. terraces. tomatoes. wet-season. wheat

Evaluation of sulfonylurea herbicides to control weeds in transplanted rice/Mukherjee D Singh R P

International Rice Research Notes. 2005. 30 (2). 20-21 CD Volume : 457

Keywords : anilofos-; chemical-control; chlorimuron-; crop-yield; dry-matter; herbicides-; metsulfuron-; population-density; rice-; sulfonylurea-herbicides; weed-control; weeds- Amaranthus-; Amaranthaceae-; Caryophyllales-; dicotyledons-; angiosperms-; Spermatophyta-; plants-; Ammannia-; Lythraceae-; Myrtales-; Cynodon-; Poaceae-; Cyperales-; monocotyledons-; Cyperus-; Cyperaceae-; Echinochloa-; Fimbristylis-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Ludwigia-; Onagraceae-; Oryza-; India- Field-Crops; Plant-Production; Weeds-and-Noxious-Plants; Pesticides-and-Drugs-Control

Extensive de Novo genomic variation in rice induced by introgression from wild rice (*Zizania latifolia* Griseb.)/Wang YM Dong ZY Zhang ZJ Lin XY Shen Y Zhou D Liu B

Genetics. 2005. 170. (4). 1945-1956 CD Volume : 455

Keywords : Chromosomes, Plant. Comparative Study. Crosses, Genetic. DNA, Plant. *Genome, Plant. Hybridization, Genetic. Mutagenesis. Mutagenesis, Insertional. Oryza sativa. Poaceae. Polymorphism, Restriction Fragment Length. Random Amplified Polymorphic DNA Technique. Research Support, Non-U.S. Gov't. Sequence

Fate of aflatoxin B1 during the cooking of Korean polished rice/Park JeWon Lee Chan Kim YoungBae

Journal of Food Protection. 2005. 68 (7). 1431-1434 CD Volume : 456

Keywords : aflatoxins. cooking. food-contamination. intake. mutagenicity. mycotoxins. rice

Fate of ochratoxin A during cooking of naturally contaminated polished rice/Park JeWon
Chung SooHyun Lee Chan Kim YoungBae

Journal of Food Protection. 2005. 68 (10). 2107-2111 CD Volume : 456

Keywords : cell-lines. cooking. cytotoxicity. food-contamination. food-processing.
microbial-contamination. mycotoxins. ochratoxins. pressure-treatment.
rice. steaming. washing

Genetic mapping and chromosomal assignment of Magnaporthe oryzae avirulence genes
AvrPik, AvrPiz, and AvrPiz-t controlling cultivar specificity on rice/Luo ChaoXi Yin
LiangFen Koyanagi S Farman M L Kusaba M Yaegashi H

Phytopathology. 2005. 95 (6). 640-647 CD Volume : 456

Keywords : chromosomes. crosses. cultivars. gene-expression. genes. genetic-
mapping. genetic-markers. hybridization. karyotypes. linkage. linkage-
groups. plant-pathogens. random-amplified-polymorphic-DNA. rice

Genetically modified rice seeds accumulating GLP-1 analogue stimulate insulin secretion
from a mouse pancreatic beta-cell line/Sugita K Endo Kasahara S Tada Y Yang LiJun Yasuda
H Hayashi Y Jomori T Ebinuma H Takaiwa F

FEBS Letters. 2005. 579 (5). 1085-1088 CD Volume : 446

Keywords : cell-lines. insulin. pancreas. pancreatic-hormones. peptides. plant-
proteins. recombinant-proteins. rice. secretion. seeds. transgenic-plants
Organism Keywordsmice. Oryza. Oryza-sativa. plants

Glufosinate herbicide-tolerant (LibertyLink) rice vs. conventional rice in diets for growing-
finishing swine/Cromwell G L Henry B J Scott A L Gerngross M F Dusek D L Fletcher D W

Journal of Animal Science. 2005. 83 (5). 1068-1074 CD Volume : 456

Keywords : backfat. carcass-composition. cultivars. feed-conversion-efficiency.
finishing. gilts. glufosinate. liveweight-gain. nutritive-value. rice.
transgenic-plants

Grain phytic acid content in japonica rice as affected by cultivar and environment and its
relation to protein content/Liu ZhengHui Cheng FangMin Zhang GuoPing

Food Chemistry. 2005. 89 (1). 49-52 CD Volume : 448

Keywords : cereal-grains. chemical-composition. cultivars. environment. genotype-
environment-interaction. phytic-acid. plant-composition. protein-content.
rice. site-factors

Growth and toxin production by Clostridium botulinum in steamed rice aseptically packed
under modified atmosphere/Kasai Y Kimura B Kawasaki S Fukaya T Sakuma K Fujii T

Journal of Food Protection. 2005. 68 (5). 1005-1011 CD Volume : 456

Keywords : food-safety. growth. neurotoxins. packaging. rice. steaming. toxins

Growth deficiency of a *Xanthomonas oryzae* pv. *oryzae* fur mutant in rice leaves is rescued by ascorbic acid supplementation/ Sujatha Subramoni Sonti R V

Molecular Plant-Microbe Interactions. 2005. 18 (7). 644-651 CD Volume : 456

Keywords : ascorbic-acid. catalase. enzyme-activity. growth. hydrogen-peroxide. mutants. mutations. plant-pathogenic-bacteria. plant-pathogens. rice. Virulence Organism Keywords *Oryza*. *Oryza-sativa*. *Xanthomonas-oryzae*-pv.-*oryzae* Supplemental Keywords *Oryza*. Poaceae. Cyperales. monocotyledons. angiosperms. Spermatophyta. plants. *Xanthomonas-oryzae*. *Xanthomonas*. *Xanthomonadaceae*. Gracilicutes. bacteria. prokaryotes

Hardinath 1, an early-maturing rice genotype released in Nepal/Yadaw R B Chaudhary B Adhikari N P Akhtar T

International Rice Research Notes. 2005. 30 (2). 15-16 CD Volume : 457

Keywords : amylose-; crop-quality; crop-yield; cultivars-; disease-resistance; earliness-; fungal-diseases; milling-quality; plant-diseases; plant-pathogenic-bacteria; plant-pathogenic-fungi; plant-pathogens; rice-Magnaporthe-; Polystigmatales-; Ascomycotina-; Eumycota-; fungi-; South-Asia; Asia-; Least-Developed-Countries; Developing-Countries; *Oryza*-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; *Xanthomonas-oryzae*; *Xanthomonas*-; *Xanthomonadaceae*-; Gracilicutes-; bacteria-; prokaryotes- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Host-Resistance-and-Immunity; Crop-Produce; Food-Composition-and-Quality

Harvest location and moisture content effects on rice kernel-to-kernel breaking force distributions/Qin G Siebenmorgen T J

Applied Engineering in Agriculture. 2005. 21 (6). 1011-1016 CD Volume : 457

Keywords : breakage-; breaking-stress; crop-production; crop-yield; harvesters-; harvesting-; kernels-; milling-; milling-quality; mills-; moisture-content; rice- West-South-Central-States-of-USA; Southern-States-of-USA; USA-; North-America; America-; Developed-Countries; OECD-Countries; Delta-States-of-USA; *Oryza*-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Southern-Plains-States-of-USA; Great-Plains-States-of-USA; Gulf-States-of-USA Field-Crops; Plant-Production; Agricultural-and-Forestry-Equipment-General; Processing-Equipment-and-Technology; Crop-Produce; Food-Processing-General; Food-Composition-and-Quality

Historical weather data and predicted aeration cooling periods for stored rice in Arkansas/Arthur F H Siebenmorgen T J

Applied Engineering in Agriculture. 2005. 21 (6). 1017-1020 CD Volume : 457

Keywords : air-flow; coolers-; cooling-; grain-stores; insect-pests; rice-; storage-; stored-products; stored-products-pests; temperature-; weather-data West-South-Central-States-of-USA; Southern-States-of-USA; USA-; North-America; America-; Developed-Countries; OECD-Countries; Delta-States-of-USA; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; arthropods-; invertebrates-; animals- Field-Crops; Cleaning-Grading-Handling-Storage-and-Transport-Equipment; Meteorology-and-Climate; Crop-Produce; Food-Storage-and-Preservation; Storage-Problems-and-Pests-of-Food

Identification and characterization of regions of the rice genome associated with broad-spectrum, quantitative disease resistance/Wisser RJ Sun Q Hulbert SH Kresovich S Nelson RJ

Genetics. 2005. 169. (4.). 2277-2293 CD Volume : 455

Keywords : Blotting, Northern. Chromosome Mapping. Chromosomes, Plant. Cluster Analysis. DNA, Complementary. DNA, Plant. Down-Regulation. Expressed Sequence Tags. Gene Expression Regulation, Plant. Gene Library. Genetic Markers. *Genome, Plant. *Immunity, Natural. Models, Genetic. Models, Statistical. Mutation. Oryza sativa. Plant Diseases. Quantitative Trait Loci. Research Support, Non-U.S. Gov't. Up-Regulation

Identification of coarse (IR-8), fine (PR-106) and superfine (Basmati-386) rice cultivars/Thind G K Sogi D S

Food Chemistry. 2005. 91 (2). 227-233 CD Volume : 448

Keywords : cooking. cultivars. globulins. glutelins. kernels. protein-content. rice

Identification of maintainers and restorers using WA source cytoplasmic male sterile lines in rice/Bisne R Motiramani N K

International Rice Research Notes. 2005. 30 (1). 14-15 CD Volume :457

Keywords : crosses-; cultivars-; cytoplasmic-male-sterility; fertility-; gene-expression; genes-; genetic-analysis; genetic-variation; genotypes-; hybrids-; pollen-; restorer-genes; rice-; spikelets- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-Field-Crops; Plant-Breeding-and-Genetics; Plant-Physiology-and-Biochemistry

Identification of microRNAs from rice Functional/Lu YuZhu Yan DaWei Lu YingTang

Plant Biology. 2005. 32 (10). 963-971 CD Volume : 451

Keywords : gene-expression. identification. nucleotide-sequences. rice. RNA

Improving rice for broad-spectrum resistance to blast and salinity tolerance by introgressing genes from *O. rufipogon*/Ram T Majumder N D Padmavathi G Mishra B
International Rice Research Notes. 2005. 30 (1). 17-19 CD Volume : 457

Keywords : crop-yield; disease-resistance; fungal-diseases; gene-transfer; genes; genetic-resistance; genotypes-; interspecific-hybridization; introgression-; plant-diseases; plant-pathogenic-fungi; plant-pathogens; rice-; salinity-; salt-tolerance; wild-relatives India-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Magnaporthe-; Polystigmatales-; Ascomycotina-; Eumycota-; fungi-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Environmental-Tolerance-of-Plants; Host-Resistance-and-Immunity Geographic Locator Andaman-and-Nicobar-Islands; Andhra-Pradesh; Haryana-; India-; Maharashtra-; Orissa-; Pondicherry-; Uttar-Pradesh; West-Bengal Organism Keywords fungi-; Magnaporthe-grisea; Oryza-; Oryza-rufipogon; Oryza-sativa

Individual rice kernel moisture content variability trends/Bautista R C Siebenmorgen T J
Applied Engineering in Agriculture. 2005. 21 (4). 637-643 CD Volume : 457

Keywords : crop-quality. equations. kernels. maturity. moisture-content. panicles. rice

Influence of drying on rice fissure formation rates and mechanical strength distributions/Siebenmorgen T J Qin G Jia C

Transactions of the ASAE. 2005. 48 (5). 1835-1841 CD Volume : 456

Keywords : bending-strength. bending-stress. breaking-strength. breaking-stress. driers. drying. kernels. rice. strength

Influence of ripening stages on the quality of whole crop silage and grain silage of fodder rice/Print Article Pages 340-344 Maruyama S Yokoyama I Asai H Sakaguchi S Ohtani T Yokota H Kita K

Asian-Australasian Journal of Animal Sciences. 2005. 18 (3). 340-344 CD Volume : 458

Keywords : beef-cattle. chemical-composition. lactic-acid. lactic-acid-bacteria. nutritive-value. palatability. pH. rice. ripening-stage. silage. silage-making. silage-quality

Influence of tillage, water regimes and integrated nutrient management on the production of volatile fatty acids in rice/Print Article Pages 401-409 Hrittick Biswas Rattan R K Dureja P Singh A K

Journal of the Indian Society of Soil Science. 53(3). 2005. 401-409 CD Volume : 458

Inheritance of purple pigmentation in two-line rice hybrids/Mahalingam L Nadarajan N
International Rice Research Notes. 2005. 30 (1). 12-13 CD Volume : 457

Keywords : colour-; crosses-; cultivars-; genes-; genetic-analysis; genetic-markers; genotypes-; hybrids-; inheritance-; pigmentation-; plant-pigments; rice-; segregation- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Breeding-and-Genetics

Inheritance of scentedness in two-line rice hybrids/Mahalingam L Nadarajan N
International Rice Research Notes. 2005. 30 (1). 13-14 CD Volume : 457

Keywords : alleles-; aroma-; crosses-; cultivars-; genetic-analysis; hybrids-; inheritance-; leaves-; odours-; recessive-genes; rice-; segregation- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Breeding-and-Genetics

Integrated management of Azolla, vermicompost and urea on yield of and nutrient uptake by rice and soil fertility/Print Article Pages 107-110 Singh R K K Athokpam H S Zoliana Changte Singh N G

Journal of the Indian Society of Soil Science. 2005. 53 (1). 107-110 CD Volume : 458

Keywords : application-rates. application-to-land. chemical-composition. clay-soils. composts. crop-yield. field-experimentation. grain. Inceptisols. nitrogen. nitrogen-fertilizers. nutrient-availability. nutrient-uptake. organic-carbon. phosphorus. potassium. productivity. rice. rice-straw. soil-amendments. soil-composition. soil-fertility. soil-types. straw. urea

Integrated management to reduce rodent damage to lowland rice crops in Indonesia/Singleton G R Sudarmaji Jacob J Krebs C J

Agriculture, Ecosystems & Environment. 2005. 107 (1). 75-82 CD Volume : 449

Keywords : barriers. chemical-control. cost-benefit-analysis. crop-damage. crop-yield. cultural-control. integrated-control. integrated-pest-management. pest-control. plant-pests. rice. rodent-control. rodenticides. tillers. vertebrate-pests. yield-losses

Integrated rice-fish production and methane emission under greenhouse conditions/Frei M Becker K

Agriculture, Ecosystems & Environment. 2005. 107 (1). 51-56 CD Volume : 449

Keywords : air-pollutants. air-pollution. dissolved-oxygen. emission. fish-culture. fish-farming. fish-pond-soils. greenhouse-gases. herbivorous-fishes. methane. oxygen. pH. photosynthesis. redox-potential. rice. sediment. soil-pollution. turbidity. water-pollution

Interaction among resistant rice genotypes, whitebacked planthopper *Sogatella furcifera* (Horvath), and egg parasitoid *Anagrus* nr. *Flaveolus*/Nalini R Gunathilagaraj K Uthamasamy S

International Rice Research Notes. 2005. 30 (1). 29-30 CD Volume : 457

Keywords : genotypes-; insect-pests; mortality-; natural-enemies; parasitism-; parasitoids-; pest-resistance; plant-pests; rice-; varietal-resistance; varietal-susceptibility Mymaridae-; Hymenoptera-; insects-; arthropods-; invertebrates-; animals-; Anagrus-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Sogatella-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Hemiptera-; India- Field-Crops; Plant-Breeding-and-Genetics; Plant-Pests; Biological-Control; Host-Resistance-and-Immunity; Pathogens-Parasites-and-Infectious-Diseases-Wild-Animals

Interactive effects of phosphorus and zinc in wheat, rice and mungbean/Print Article Pages 221-227 Islam M N Hoque S Islam A

Journal of the Indian Society of Soil Science. 2005. 53 (2). 221-227 CD Volume : 458

Keywords : antagonism. application-rates. crop-production. crop-yield. mung-beans. nutrient-uptake. nutrients. phosphorus. rice. wheat. Zinc Geographic Locator Bangladesh

Interference interactions of two rice cultivars and their F3 cross with barnyardgrass (*Echinochloa crus-galli*) in a replacement series study/Gealy D R Estorninos L E Jr Gbur E E Chavez R S C

Weed Science. 2005. 53 (3). 323-330 CD Volume : 457

Keywords : crop-weed-competition. crosses. cultivars. plant-height. rice. shoots. tillers. weeds

Investigations on head-rice yield and operating time in the fluidised-bed drying process experiment and simulation/Poomsa ad N Terdyothin A Prachayawarakorn S Sophonronnarit S

Journal of Stored Products Research. 2005. 41 (4). 387-400 CD Volume : 448

Keywords : crop-yield. drying. mathematical-models. moisture-content. operating-time. rice. seeds. simulation-models. temperature. Tempering Organism

Macro- and micro-nutrient utilization and milk production in crossbred dairy cows fed finger millet (*Eleusine coracana*) and rice (*Oryza sativa*) straw as dry roughage source/Print Article Pages 48-53 Gowda N K S Prasad C S

Asian-Australasian Journal of Animal Sciences. 2005. 18 (1). 48-53 CD Volume : 458

Keywords : cows. dairy-cows. digestibility. fodder. milk-composition. milk-yield. nutrition-physiology. roughage. trace-elements Identifiers macronutrients

Managing invasive alien mollusc species in rice/Joshi R C

International Rice Research Notes. 2005. 30 (2). 5-13 CD Volume : 457

Keywords : biological-control; biological-control-agents; chemical-control; disease-vectors; farmers'-attitudes; feeds-; food-; knowledge-; mollusc-control; molluscicides-; pest-control; plant-pests; reviews-; rice-; spread-; weed-control; weeds- Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries; Pomacea-; Ampullariidae-; Gastropoda-; Mollusca-; invertebrates-; animals-; North-America; America-; Developed-Countries; OECD-Countries Biological-Control; Pesticides-and-Drugs-Control; Crop-Produce; Feed-Composition-and-Quality; Social-Psychology-and-Social-Anthropology; Animal-Ecology; Weeds-and-Noxious-Plants; Plant-Pests

Managing iron toxicity in acid sulfate rice soils by integrating genetic tolerance and nutrition/Thampatti K C M Cherian S Iyer M S

International Rice Research Notes. 2005. 30 (1). 37-39 CD Volume : 457

Keywords : acid-sulfate-soils; application-rates; crop-yield; Entisols-; induced-resistance; iron-; liming-; NPK-fertilizers; nutrient-content; rice-; rice-soils; soil-chemical-properties; soil-fertility; soil-toxicity; soil-types South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; India-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants- Field-Crops; Plant-Production; Soil-Chemistry-and-Mineralogy; Soil-Fertility; Fertilizers-and-other-Amendments; Genetic-Engineering-Gene-Transfer-and-Transgenics

Methane emission in four rice varieties as related to sugars and organic acids of roots and root exudates and biomass yield/Kerdchoechuen O

Agriculture, Ecosystems & Environment. 2005. 108 (2). 155-163 CD Volume : 449

Keywords : acetic-acid. air-pollutants. air-pollution. biomass. crop-growth-stage. cultivars. global-warming. glucose. greenhouse-gases. methane. organic-acids. reproduction. rice. ripening-stage. root-exudates. roots. shoots. sugars. vegetative-period

Mineral nitrogen in a rhizosphere soil and in standing water during rice (*Oryza sativa* L.) growth effect of hydroquinone and dicyandiamide/Xu XingKai Boeckx P Cleemput O van Kazuyuki I

Agriculture, Ecosystems & Environment. 2005. 109 (1). 107-117 CD Volume : 449

Keywords : ammonium-nitrogen. dicyandiamide. growth. hydroquinone. losses-from-soil. nitrate. nitrate-nitrogen. nitrite. nitrogen. nitrogen-fertilizers. nitrous-oxide. nutrient-content. redox-potential. rhizosphere. rice. roots. urea. use-efficiency

Modeling of response functions and calibration of NPK based on soil fertility for lowland rice grown in Typic Haplustalf/Print Article Pages 203-206 Balasubramaniam P Subramanian S Muthiah N D Mahendran P P

Journal of the Indian Society of Soil Science. 2005. 53 (2). 203-206 CD Volume : 458

Keywords : Alfisols. application-rates. crop-yield. fertilizer-requirement-determination. green-manures. models. NPK-fertilizers. nutrients. rice. soil-fertility. soil-types. zinc-sulfate

Mold counts and Aspergillus section Flavi populations in rice and its by-products from the Philippines/Sales A C Yoshizawa T

Journal of Food Protection. 2005. 68 (1). 120-125 CD Volume : 456

Keywords : food-contamination. microbial-contamination. moulds. rice. storage-quality

Multiple inlet approach to reduce water requirements for rice production/Vories E D Tacker P L Hogan R

Applied Engineering in Agriculture. 2005. 21 (4). 611-616 CD Volume : 457

Keywords : crop-yield. flow-meters. irrigation-equipment. irrigation-requirements. plant-water-relations. rice. surface-irrigation. water-management. water-requirements. water-use. water-use-efficiency

Mutations in the red rice ALS gene associated with resistance to imazethapyr/Rajguru S N Burgos N R Shivrain V K Stewart J M

Weed Science. 2005. 53 (5). 567-577 CD Volume : 457

Keywords : cultivars. DNA-sequencing. gene-flow. genes. genetic-markers. genotypes. herbicide-resistance. hybrids. imazethapyr. interspecific-hybridization. introgression. mutations. nucleotide-sequences. outcrossing. rice. weeds. wild-relatives

New record of chrysomelid damage on rice panicles/Ravi G Chandrasekaran B

International Rice Research Notes. 2005. 30 (1). 25-26 CD Volume : 457

Keywords : crop-damage; defence-mechanisms; distribution-; feeding-behaviour; host-preferences; hosts-; insect-pests; morphology-; new-host-records; panicles-; plant-pests; population-dynamics; rice- Coleoptera-; insects-; arthropods-; invertebrates-; animals-; South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; India- Field-Crops; Plant-Pests; Anatomy-and-Morphology-Wild-Animals; Reproduction-Development-and-Life-Cycle-Wild-Animals; Behaviour-Wild-Animals; Animal-Ecology

Occurrence of psocids and natural predators on organic rice in Calasparra (Murcia, Spain)/Pascual Villalobos M J Baz A Estal P del

Journal of Stored Products Research. 2005. 41 (2). 231-235 CD Volume : 448

Keywords : geographical-distribution. insect-pests. natural-enemies. new-geographic-records. predatory-arthropods. rice. stored-products-pests Geographic LocatorPortugal. Spain

On-farm assessment of organic amendments effects on nutrient status and nutrient use efficiency of organic rice fields in Northeastern Japan/Hasegawa H Furukawa Y Kimura S D
Agriculture, Ecosystems & Environment. 2005. 108 (4). 350-362 CD Volume : 449

Keywords : calcium. cattle-manure. crop-yield. magnesium. nitrogen. nutrient-balance. organic-amendments. organic-farming. organic-fertilizers. paddy-soils. phosphorus. potassium. poultry-manure. rice. soil-fertility. soil-types. straw. use-efficiency

Origins of host-specific populations of the blast pathogen *Magnaporthe oryzae* in crop domestication with subsequent expansion of pandemic clones on rice and weeds of rice

Genetics. 2005. 170. (2.). 613-630 CD Volume : 455

Keywords : Bayes Theorem. DNA Primers. Evolution, Molecular. Genes, Fungal. Genes, Plant. Genetic Markers. Genotype. Haplotypes. Magnaporthe. Models, Genetic. Molecular Sequence Data. *Oryza sativa*. Panicum. Phylogeny. Plant Diseases. Poaceae. Polymerase Chain Reaction. Polymorphism, Single-Stranded Conformational. Recombination,

OsLSD1, a rice zinc finger protein, regulates programmed cell death and callus differentiation/Wang LiJuan Pei ZhongYou Tian YingChuan He ChaoZu

Molecular Plant-Microbe Interactions. 2005. 18 (5). 375-384 CD Volume : 456

Keywords : apoptosis. callus. chlorophyll. DNA-binding-proteins. fumonisins. gene-expression. genes. genetic-engineering. genetic-regulation. genetic-transformation. hypersensitivity. messenger-RNA. phenotypes. plant-pathogenic-fungi. plant-pathogens. plant-proteins. rice. tobacco. tolerance. transgenic-plants

Overall effect of rice biomass and fish on the aquatic ecology of experimental rice plots/Vromant N Nguyen Thi Hoai Chau

Agriculture, Ecosystems and Environment. 2005. 111 (1-4). 153-165 CD Volume : 449

Keywords : ammonium-; aquatic-environment; biomass-; chlorophyll-; eutrophication-; experimental-plots; fish-culture; floodplains-; nitrate-; orthophosphates-; oxygen-; principal-component-analysis; rice-; rice-soils; soil-fertility; soil-types; soil-water; stocking-rate; water-management Cyprinus-; Cyprinidae-; Cypriniformes-; Osteichthyes-; fishes-; vertebrates-; Chordata-; animals-; aquatic-organisms; aquatic-animals; Oreochromis-; Cichlidae-; Perciformes-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-;

Indochina-; South-East-Asia; Asia-; Developing-Countries; ASEAN-Countries Field-Crops; Plant-Physiology-and-Biochemistry; Soil-Physics; Soil-Fertility; Fertilizers-and-other-Amendments; Aquaculture-Animals; Wetlands-; Pollution-and-Degradation

Overexpression of a rice NPR1 homolog leads to constitutive activation of defense response and hypersensitivity to light/Chern M S Fitzgerald H A Canlas P E Navarre D A Ronald P C
Molecular Plant-Microbe Interactions. 2005. 18 (6). 511-520 CD Volume : 456

Keywords : defence-mechanisms. disease-resistance. dwarfing. gene-expression. genes. genetic-regulation. heritability. induced-resistance. leaves. light. light-relations. phenotypes. plant-diseases. plant-pathogenic-bacteria. plant-pathogens. rice. salicylic-acid. transcription-factors. transgenic-plants Organism KeywordsOryza. Oryza-sativa. plants. Xanthomonas-oryzae-pv.-oryzae Supplemental KeywordsOryza. Poaceae. Cyperales. monocotyledons. angiosperms. Spermatophyta. plants. Xanthomonas-oryzae. Xanthomonas. Xanthomonadaceae. Gracilicutes. bacteria. prokaryotes

Overexpression of the rice EREBP-like gene OsBIERF3 enhances disease resistance and salt tolerance in transgenic tobacco/Cao Y Wu Y Zheng Z Song F
Physiological and Molecular Plant Pathology. 67(3-5). 2005. 202-211 CD Volume : 449

Keywords : EREBP; OsBIERF3; transgenic-tobacco-plant; disease-resistance-response; salt-tolerance

Panicle blast and canopy moisture in rice cultivar mixtures/Zhu YouYong Fang Hui Wang YunYue Fan JinXiang Yang ShiSheng Mew TwngWah Mundt C C
Phytopathology. 2005. 95 (4). 433-438 CD Volume : 456

Keywords : canopy. crop-yield. cultivars. leaf-area. microclimate. plant-height. relative-humidity. rice. susceptibility

Pathogenicity and in planta mycotoxin accumulation among members of the Fusarium graminearum species complex on wheat and rice/Goswami R S Kistler H C
Phytopathology. 2005. 95 (12). 1397-1404 CD Volume : 456

Keywords : mycotoxins. pathogenicity. rice. vomitoxin. wheat

Pathogen-induced production of the antifungal AFP protein from *Aspergillus giganteus* confers resistance to the blast fungus *Magnaporthe grisea* in transgenic rice/Moreno A B Penas G Rufat M Bravo J M Estopa M Messeguer J San Segundo B
Molecular Plant-Microbe Interactions. 2005. 18 (9). 960-972 CD Volume : 456

Keywords : abiotic-injuries. disease-resistance. endosperm. fungal-diseases. fungal-elicitors. genetic-engineering. genetic-transformation. induced-resistance. leaves. maize. mechanical-damage. plant-diseases. plant-pathogenic-fungi. plant-pathogens. promoters. rice. transgenic-plants

Performance of temperate aerobic rice under different water regimes in North China/Yang XiaoGuang Bouman B A M Wang HuaQi Wang ZhiMin Zhao JunFang Chen Bin
Agricultural Water Management. 2005. 74 (2). 107-122 CD Volume : 449

Keywords : aerobic-conditions. cultivars. flooding. genetic-diversity. genetic-variation. groundwater. irrigation. plant-water-relations. rice. soil-water. water-stress

Phenology based irrigation scheduling and determination of crop coefficient of winter maize in rice fallow of eastern India/Gouranga Kar Verma H N
Agricultural Water Management. 2005. 75 (3). 169-183 CD Volume : 449

Keywords : crop-yield. fallow. irrigation. irrigation-scheduling. leaf-area-index. maize. phenology. plant-water-relations. rice. seasonal-growth. sequential-cropping. water-use. water-use-efficiency

Phenotypic selection for dormancy introduced a set of adaptive haplotypes from weedy into cultivated rice/Gu XY Kianian SF Foley ME
Genetics. 2005. 171. (2). 695-704 CD Volume : 455

Phosphorus doses and root growth of upland rice/Crusciol C A C Mauad M Alvarez R D C F Lima E D V Tiritan C S
Bragantia. 64(4). 2005. 643-649 CD Volume : 457

Keywords : fertilization; root-length; dry-matter; oryza-sativa-L

Phosphorus nutrition reduces brown spot incidence in rainfed upland rice/Singh R K Singh C V Shukla V D
International Rice Research Notes. 2005. 30 (2). 31-32 CD Volume : 457

Keywords : application-rates; chemical-composition; correlation-analysis; crop-yield; cultural-control; drought-; fungal-diseases; nutrient-availability; nutrient-content; phosphorus-; phosphorus-fertilizers; plant-composition; plant-disease-control; plant-diseases; plant-nutrition; plant-pathogenic-fungi; plant-pathogens; rice-; upland-rice Cochliobolus-; Dothideales-; Ascomycotina-; Eumycota-; fungi-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-Field-Crops; Plant-Composition; Plant-Nutrition; Plant-Production; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Environmental-Pest-Management; Soil-Chemistry-and-Mineralogy; Fertilizers-and-other-Amendments; Meteorology-and-Climate

Physicochemical, cooking and textural properties of milled rice from different Indian rice cultivars/Narpinder Singh Lovedeep Kaur Sodhi N S Sekhon K S
Food Chemistry. 2005. 89 (2). 253-259 CD Volume : 448

Plant defense activators potentiate the generation of elicitor-responsive photon emission in rice PMPP/Iyozumi H Kato K Kageyama C Inagaki H Yamaguchi A Furuse K Baba K Tsuchiya H

Physiological and Molecular Plant Pathology. 2005. 66 (1/2). 68-74 CD Volume : 449

Keywords : cell-suspensions. defence-mechanisms. disease-resistance. emission. fungal-elicitors. gene-expression. genes. induced-resistance. methyl-jasmonate. plant-diseases. rice

PMK(R)3 - an early-maturing, drought-tolerant rice variety for Tamil Nadu, India/Jeyaprakash P Robin S Ganesh S K Subramanian M Palchamy A Balasubramanian P Raghuraman S Edward Y S J T

International Rice Research Notes. 2005. 30 (2). 14-15 CD Volume : 457

Keywords : crop-yield; cultivars-; drought-resistance; earliness-; fungal-diseases; insect-pests; maturation-period; pest-resistance; plant-diseases; plant-pathogenic-fungi; plant-pathogens; plant-pests; rice- South-Asia; Asia-; Developing-Countries; Commonwealth-of-Nations; Magnaporthe-; Polystigmatales-; Ascomycotina-; Eumycota-; fungi-; Oryza-; Poaceae-; Cyperales-; monocotyledons-; angiosperms-; Spermatophyta-; plants-; Lepidoptera-; insects-; arthropods-; invertebrates-; animals-; Sarocladium-; Deuteromycotina-; Sogatella-; Delphacidae-; Fulgoroidea-; Auchenorrhyncha-; Homoptera-; Hemiptera-; India- Field-Crops; Plant-Breeding-and-Genetics; Plant-Production; Viral-Bacterial-and-Fungal-Diseases-of-Plants; Plant-Pests; Environmental-Tolerance-of-Plants; Host-Resistance-and-Immunity

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Method for obtaining high integrity RNA from developing aleurone cells and starchy endosperm in rice (*Oryza sativa* L.) by laser microdissection/ Tsutomu Ishimaru, Mikio Nakazono, Takehiro Masumura, Mafumi Abiko, Yumiko San-oh, Naoko K. Nishizawa, Motohiko Kondo

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Keywords : **Farmer's seed production school; On-farm experiment; Profits; Oryza sativa; Rice; Vietnam; Yield.**

Comparison of agronomic and physiological traits of rice genotypes differing in cadmium-tolerance/ Dong-Fen Huang, Ling-Lin Xi, Li-Nian Yang, Zhi-Qin Wang, Jian-Chang Yang
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Keywords : **Rice; Cadmium-tolerant genotype; Reactive oxygen species; Root activity; Ethylene.**

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Keywords : **Growth; Methane; Organic carbon; Phenology; Photosynthesis; Rice.**

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Effect of ascorbate-glutathione (AsA-GSH) cycle on Hg²⁺-tolerance in rice mutant/ Bin Zeng, Fei-Juan Wang, Cheng Zhu, Zong-Xiu Sun

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Keywords : **Rice; Nitrogen; Phosphorus; Root exudation; Amino acids; Grain filling period.**

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Keywords : **Oryza sativa L.; Low phytic acid (LPA); Induced mutation; Grain weight; Grain yield; Seed viability; Seed germination**

Effect of salt on betaine aldehyde dehydrogenase transcript levels and 2-acetyl-1-pyrroline concentration in fragrant and non-fragrant rice (*Oryza sativa*)/ Timothy Liam Fitzgerald, Daniel Lex Ean Waters, Robert James Henry

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Keywords : **2-Acetyl-1-pyrroline; Betaine aldehyde dehydrogenase; Oryza sativa; Quantitative real-time PCR; Salt.**

Effects of a bile acid elicitor, cholic acid, on the biosynthesis of diterpenoid phytoalexins in suspension-cultured rice cells/ Takafumi Shimizu, Yusuke Jikumaru, Atsushi Okada, Kazunori Okada, Jinichiro Koga, Kenji Umemura, Eiichi Minami, Naoto Shibuya, Morifumi Hasegawa, Osamu Kodama, Hideaki Nojiri, Hisakazu Yamane

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Keywords : **Index Oryza sativa; Gramineae; Rice suspension cells; Phytoalexin; Phytocassane; Diterpene cyclase gene; Cholic acid; HPLC-MS/MS.**

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Keywords : **High-temperature stress; Heat tolerance; Hybrid rice; Flowering clock; Glumes opening rate**

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Keywords : **Rice; Cadmium (Cd); Dry-wet alternate irrigation; Grain yield; Grain quality.**

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Keywords : **Dry matter yield; Estimated total digestible nutrient (TDN) content; Forage rice; Oryza sativa L.; Planting time.**

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Keywords : **Ammonium; Gene expression; Nitrate; Quantitative real-time PCR; Rice roots.**

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Keywords : **Ethylene; Hypoxia; Yang cycle or methionine cycle; Rice (*Oryza sativa* L.).**

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Keywords : **Methane emission; Silicate iron slag; Electron acceptor; Paddy soil; Rice.**

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Keywords : **SRI; Salt-affected soils; Intermittent irrigation; Seedling-age; Soil-quality; Mozambique.**

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Keywords : Evolution; Function; Gene family; Modeling; Non-symbiotic; Promoter.

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Keywords : **Flavonoid; Glucosyltransferase; Oryza sativa.**

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Genomic regions associated with the degree of red coloration in pericarp of rice (*Oryza sativa* L.)/ Yanjun Dong, Jianlong Xu, Ke Xiao, Yongjuan Zhang, Junzhi Zhang, Lijun Luo, M. Matsuo

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Keywords : **Oryza sativa; Genomic region; Degree of red coloration (DRC); Pericarp.**

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Keywords : **Antioxidative enzymes; Magnesium; Nutrients interaction; Oryza sativa L.; Potassium.**

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Field Crops Research, Volume 107, Issue 1, 11 April 2008, Pages 1-11.

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Hormones in rice spikelets in responses to water stress during meiosis/ Jian-Chang Yang, Kai Liu, Shen-Feng Zhang, Xue-Ming Wang, Zhi-Qin Wang, Li-Jun Liu *Acta Agronomica Sinica*, Volume 34, Issue 1, January 2008, Pages 111-118.

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Keywords : Cold tolerance; Booting stage; Rice (*Oryza sativa* L.); Near-isogenic line; Quantitative trait loci (QTL).

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Keywords : Fragrant rice; Marker; Polymorphism; Transposon.

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Keywords : Arbuscular mycorrhiza; Soil protozoa; Root architecture; Plant growth; Microbial interactions.

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Field Crops Research In Press, Corrected Proof, Available online 5 September 2008.

Keywords : **Oryza sativa L.; Drought resistance; Quantitative trait loci; Upland rice; Root; Water uptake; Spikelet sterility**

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Keywords : **Silicon; Cadmium; SEM-EDX; Oryza sativa L.**

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Acta Agronomica Sinica, Volume 34, Issue 3, March 2008, Pages 389-396.

Keywords : **Rice; Growing environment; Panicle exertion-related trait; QTL mapping.**

Mapping QTL for seed dormancy in weedy rice/ Wen Jing, Ling Jiang, Wen-Wei Zang, Hu-Qu Zhai, Jian-Min Wan

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Keywords : **Late flowering; B3 DNA-binding domain; Overexpression; OsLFL1; Oryza sativa.**

Overlaying properties of fiberboard manufactured from bamboo and rice straw/ Salim Hiziroglu, Songklod Jarusombuti, Piyawade Bauchongkol, Vallayuth Fueangvivat
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Keywords : **Medium density fiberboard (MDF); Overlays; Roughness; Bamboo; Rice straw.**

Perennial hybrids of *Oryza sativa* x *Oryza rufipogon*: Part II. Carbon exchange and assimilate partitioning/ Ming Zhao, Tina L. Botwright Acuna, H.R. Lafitte, Glenn Dimayuga, Eric Sacks

Field Crops Research, Volume 106, Issue 3, 20 March 2008, Pages 214-223.

Keywords : **Rice; 14C; Non-structural carbohydrate; Perenniality; Photosynthesis; Oryza; O. sativa; O. rufipogon; Source-sink.**

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Keywords : **Lodging resistance; Developmental genetics of morphogenesis; QTL differential expression; Rice**

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Keywords : **Rice; Gene prediction; cDNA; Annotation; Exon.**

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Keywords : **Ambient ozone; Elevated ozone; RSOsPR10 protein; Visible foliar symptom; Rice (*Oryza sativa* L. cv. Koshihikari).**

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Keywords : **Rice; Oryza sativa; Graminaceae; Defense; Disease resistance; Probenazole; Proteomics.**

QTL analysis of cold tolerance at seedling stage in rice (*Oryza sativa* L.) using recombination inbred lines/ Ling Jiang, Meimei Xun, Jiankang Wang, Jianmin Wan

Journal of Cereal Science, Volume 48, Issue 1, July 2008, Pages 173-179.

Keywords : **Rice; Seedling cold tolerance; Recombinant inbred lines (RILs); Chromosome segment substitution lines (CSSL); Quantitative trait loci (QTL) mapping.**

QTL analysis of maternal and endosperm genomes for histidine and arginine in rice (*Oryza sativa* L.) across environments/ Xi Zheng, Jian-Guo Wu, Xiang-Yang Lou, Hai-Ming Xu, Chun-Hai Shi

Acta Agronomica Sinica, Volume 34, Issue 3, March 2008, Pages 369-375.

Keywords : **Rice; Quantitative trait locus (QTL); Maternal plant; Interaction effects between QTL and environment.**

QTL analysis of panicle neck diameter, a trait highly correlated with panicle size, under well-watered and drought conditions in rice (*Oryza sativa* L.)/ G.L. Liu, H.W. Mei, X.Q. Yu, G.H. Zou, H.Y. Liu, S.P. Hu, M.S. Li, J.H. Wu, L. Chen, L.J. Luo

Plant Science, Volume 174, Issue 1, January 2008, Pages 71-77.

Keywords : **Oryza sativa; Panicle neck diameter (PND); Panicle size; Quantitative trait locus.**

QTL mapping and correlations between leaf water potential and drought resistance in rice under upland and lowland environments/ Yan-Ying Qu, Ping Mu, Xue-Qin Li, Yu-Xiu Tian, Feng Wen, Hong-Liang Zhang, Zi-Chao Li

Acta Agronomica Sinica, Volume 34, Issue 2, February 2008, Pages 198-206.

Keywords : **Index of drought resistance; Leaf water potential; Drought resistance; Quantitative trait loci (QTLs); Rice.**

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Journal of Cereal Science, Volume 48, Issue 2, September 2008, Pages 539-547.

Keywords : **Rice (*Oryza sativa* L.); Protein content; Glutelin; QTL mapping.**

QTL mapping rolling, stomatal conductance and dimension traits of excised leaves in the Bala x Azucena recombinant inbred population of rice/ Farkhanda S. Khowaja, Adam H. Price

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Keywords : **QTLs (quantitative trait loci); RILs (recombinant inbred lines); Drought avoidance; Aboveground traits; Morphology; Physiology; Oryza sativa.**

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Keywords : **Rice; Drought tolerance; Photosynthesis; QTLs.**

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Keywords : **Rice; Auxin; 2,4-D; PCIB; Oryza sativa; Gramineae; Proteomics; RT-PCR.**

Response to two cycles of divergent selection for grain yield under drought stress in four rice breeding populations/ R. Venuprasad, M.T. Sta Cruz, M. Amante, R. Magbanua, A. Kumar, G.N. Atlin

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Keywords : **Rice; Drought; Yield; Selection; Response to selection.**

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Keywords : **Allelopathy; Momilactone A; Phytoalexin; Rhizosphere; Oryza sativa.**

Some physical properties of rough rice (*Oryza Sativa* L.) grain/ M. Ghasemi Varnamkhasti, H. Mobli, A. Jafari, A.R. Keyhani, M. Heidari Soltanabadi, S. Rafiee, K. Kheiralipour *Journal of Cereal Science*, Volume 47, Issue 3, May 2008, Pages 496-501.

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