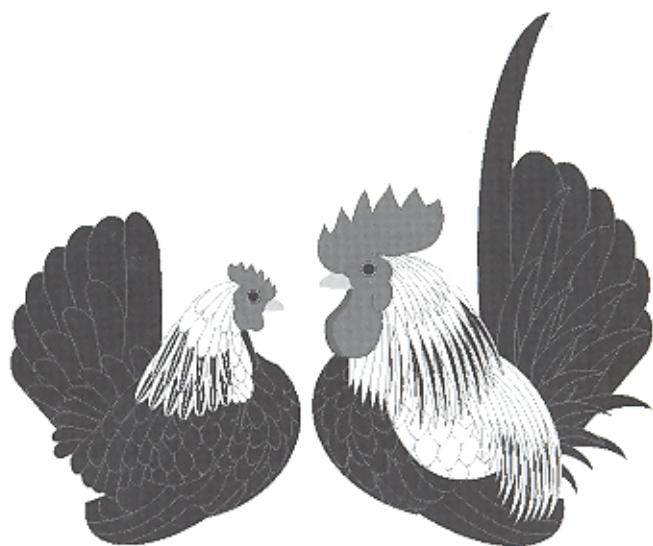


ISSN1346-7395/CODEN : JPSO BX

The Journal of Poultry Science

VOLUME 51 NUMBER 3 JULY 2014



Japan Poultry Science Association

The Journal of Poultry Science
Vol. 51 No. 3 July, 2014

Review

- Ascites Syndrome in Broiler Chickens: A Review on the Aspect of Endogenous and Exogenous Factors Interactions Mohammad Hassanzadeh, Johan Buyse, Tohid Toloei and Eddy Decuyper 229

Original Papers

Breeding and Genetics

- Genetic Diversity in a Small Chicken Population Inferred from Microsatellite Polymorphism Ryo Tadano and Yukari Kataoka 242

Phylogenetic Analysis of South East Asian Countries Chickens Based on Mitochondrial DNA Variations Sayed A.M. Osman and Masahide Nishibori 248

Time-Dependent Changes in the Genetic Diversity and Structure of the Onagadori Breed of Chickens Based on Microsatellite DNA Polymorphisms Takao Oka, Ryo Tadano, Tatsuhiko Goto, Jun-ichi Shiraishi, Sayed A.M. Osman, Naohiro Nagasaka, Takashi Bungo, Teruo Maeda, Masahide Nishibori, Tetsuya Umino and Masaoki Tsudzuki 262

- Sequence Variation of Melanocortin 1 Receptor (*MC1R*) Gene and Association with Plumage Color in Domestic Geese Jing Huang, Bing Zhou, Da-Qian He, Shi-Yi Chen, Qing Zhu, Yong-Gang Yao and Yi-Ping Liu 270

Nutrition and Feed

- Influence of Propolis Residue on the Bacterial Flora in the Cecum of Nanbu Kashiwa Kazumi Kita, Ito R. Ken, Chinami Akamine, Wataru Kawada, Yoichiro Shimura and Tamio Inamoto 275

- Effects of Dietary Supplementation with *Aspergillus Awamori* on Growth Performance and Antioxidative Status of Broiler Chickens Exposed to High Ambient Temperature Mahmoud H. El-Deep, Daichi Ijiri, Yahya Z. Eid, Hisaya Yamanaka and Akira Ohtsuka 281

- Digestive Enzymatic Responses of Chickens Feed-restricted and Refed as Affected by Age Cristiane R. A. Duarte, Maria L. M. Vicentini-Paulino and Daniela F. Pinheiro 289

Physiology and Reproduction

- Production of Pure Hinai-dori with Normal Reproductive Capability from Transferred Primordial Germ Cells Kazuhiro Rikimaru, Yoshiaki Nakamura, Daiki Takahashi, Megumi Komatsu, Natsuki Ito, Kazuei Matsubara and Takahiro Tagami 297

(Research Note)

- A Novel Shell-less Culture System for Chick Embryos Using a Plastic Film as Culture Vessels Yutaka Tahara and Katsuya Obara 307

Immunology and Hygiene

- Dietary Supplementation of *Ocimum Gratissimum* Improves Immune Response without Affecting the Growth Performance and Blood Characteristics in Taiwan Country Chicken Yieng-How Chen, Shin-Mei Lee, Fang-Ling Tsai, Hsueh-Hui Lee and Jer-Yuh Liu 313

Environment and Management

- Effect of Combinations of Monochromatic LED Light Color on the Performance and Behavior of Laying Hens Md. Rakibul Hassan, Shabiha Sultana, Ho S. Choe and Kyeong S. Ryu 321

- Exterminating Effect of Wood Vinegar to Red Mites and its Safety to Chickens Kohsyo Yamauchi, Noboru Manabe, Yoshiki Matsumoto and Koh-en Yamauchi 327

- Distribution of Glyphosate in Chicken Organs and its Reduction by Humic Acid Supplementation Awad A. Shehata, Wieland Schrödl, Philipp Schledorn and Monika Krüger 333

Processing and Products

(Research Note)

- Effect of Uniformity of Eggshell Thickness on Eggshell Quality in Chickens Yi-Yuan Yan, Cong-Jiao Sun, Ling Lian, Jiang-Xia Zheng, Gui-Yun Xu and Ning Yang 338