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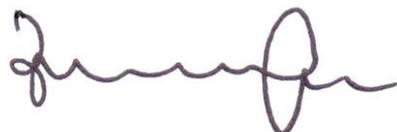
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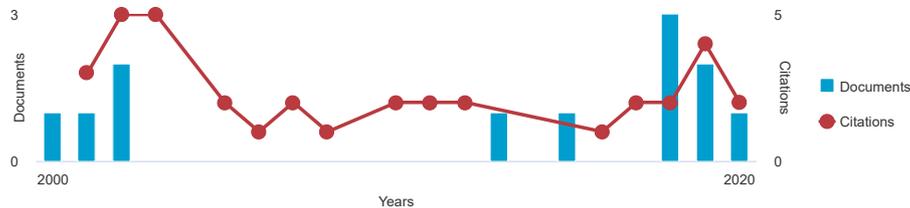
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International Journal of Poultry Science
Volume 12, Issue 11, 2013, Pages 660-665

Productivity and profitability layer chicken farm using small scale feed mill production in Sidrap regency, South Sulawesi, Indonesia (Article) (Open Access)

Irmasmusanti^a, Isbandi^b, Prasetyono, B.W.H.E.^b, Siregar, A.R.^c

^aSulawesi Barat University, Majene, West Sulawesi, Indonesia

^bDiponegoro University, Semarang, Indonesia

^cHasanuddin University, Makassar, Indonesia

Abstract

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The objective of this research was to determine differences in productivity and profitability of layer poultry farm that used small scale feed mill production quality Indonesia National Standard (SNI) and not based on SNI. The research survey was conducted to 30 layer farmers in Sidrap district that used feed produced by small scale factory by interview and observation. Primary and secondary data obtained were used to answer the research objective. Responses characteristic, productivity, revenue, production costs and income were recorded for two months. Descriptive statistic and one sample t-test were used to analyze the data. Layer chicken farmer that used small scale feed mill produced generally raising chickens with business scale less than 5,000 chickens. Quality of productivity and productivity of layer chicken farm that used small scale mini feed mill produced was suited to SNI, significantly different ($p > 0.01$) compared to one that wasn't based on SNI. © Asian Network for Scientific Information, 2013.

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Author keywords

Feed mill Layer Productivity Profitability Small scale SNI

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Effect of Either Powder or Encapsulated Form of Garlic and *Phyllanthus niruri* L. Mixture on Broiler Performances, Intestinal Characteristics and Intestinal Microflora

M.H. Natsir, Hartutik, O. Sjoftan and E. Widodo

International Journal of Poultry Science Volume 12, Number 11, 676-680, 2013

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Cestode Parasites of Free-Range Chickens (*Gallus gallus domesticus*) in the North-Eastern of Algeria

Medjouel Ilyes and Benakhla Ahmed

International Journal of Poultry Science Volume 12, Number 11, 681-684, 2013

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Nephritis Associated with a S1 Variant Brazilian Isolate of Infectious Bronchitis Virus and Vaccine Protection Test in Experimentally Infected Chickens

Filipe Santos Fernando, Maria de Fatima da Silva Montassier, Ketherson Rodrigues Silva, Cintia Hiromi Okino, Elisabete Schirato de Oliveira, Camila Cesario Fernandes, Marcio de Barros Bandarra, Mariana Costa Mello Goncalves, Mariana Monezi Borzi, Romeu Moreira dos Santos, Rosemeri de Oliveira Vasconcelos, Antonio Carlos Alessi and Helio Jose Montassier

Abstract: Infectious bronchitis virus (IBV) induces a significant negative impact on poultry production worldwide, specially due to the continuous emergence of viral variants. This virus causes damage to the respiratory tract, and depending on the virus strain, affects and damages the urogenital system. The objective of this study is to characterize the pathotype and the cross-immunity with regard to Massachusetts vaccine strain (H120) of a Brazilian IBV field isolate (IBVPR-05) previously S1 genotyped as a variant. The pathogenicity test was conducted on two experimental groups of specific pathogen free chickens; one was vaccinated with attenuated Massachusetts H120 strain and the other remained non-vaccinated. Three weeks after vaccination, both groups were challenged with IBVPR-05. The tracheal ciliostasis, and the viral load, histopathology and immunohistochemistry in trachea and kidney samples were evaluated. The viral loads, measured by quantitative real time RT-PCR, were higher in kidney than in trachea, and the most prominent histopathological changes were found in the kidneys. The renal lesions were characterized by the presence of nephritis with intense inflammation, tubular epithelial cell degeneration and necrosis. The H120 vaccine induced a partial protection against the infection of trachea and kidney tissues by this variant isolate. Thus, the Brazilian variant isolate IBVPR-05 was characterized in this study as a nephropathogenic pathotype and as a protectotype differing from Massachusetts vaccine strain of IBV. This indicates the importance to determine these biologic characteristics of other Brazilian variant IBV isolates, in order to implement more effective control measures of IBV infection in this country.

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Evaluation of Drip Test Sampling Plan in Carcasses of Frozen Broilers

[Daisy Viviane Silva Santos, Ludmilla Santana Soares e Barros, Maria Tereza Leal Vargas Mascarenhas and Katia Cerqueira Lima](#)

Abstract: Current assay evaluated the efficacy of the Drip Test Sampling Plan according to Brazilian legislation. The experiment was carried out in a poultry slaughterhouse under the official state supervision office, located in Recôncavo da Bahia, Brazil, between September 2011 and February 2012. Sample was prepared and its batch number was identified by the number of the truck to be unloaded on that day. One hundred and five samples were collected, with 10 chickens in each batch, for Internal Control Method. On the day after freezing, the Drip Test was conducted in 90 batches with 12 chickens each, totalizing 1.080 frozen chickens, according to the batch that had been analyzed the day before. Variables that involved the process were controlled by the industry's quality sector. The Drip Test was carried out according to the official methodology laid down by 210/1998 Ordinance of the Ministry of Agriculture, Livestock and Food Supply and compared to double the sampling plan. Results showed that the sample standard with an average of 6 carcasses was efficient when compared to the 12-carcass average.

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Cestode Parasites of Free-Range Chickens (*Gallus gallus domesticus*) in the North-Eastern of Algeria

Medjouel Ilyes and Benakhla Ahmed

Abstract: A study was carried out on 144 local chickens (*Gallus gallus domesticus*), from rural area of El-Tarf to determine the prevalence of cestode parasites in the intestinal tract of the chickens. The overall prevalence rate was 88.19%, in the El-Tarf poultry. At least one species of cestodes was found on every chicken examined. Seven species of cestodes were identified in all; they had the following prevalences: *Raillietina echinobothrida* (83.33%), *Raillietina tetragona* (68.75%), *Raillietina cesticillus* (29.16%), *Hymenolepis carioca* (12.5%), *Choanotaenia infundibulum* (11.8%), *Davainea proglottina* (11.11%) and *Amoebotaenia cuneata* (4.16%). This study showed that there was no significant difference ($p > 0.05$) between the prevalence of cestodes in relation to age and sex.

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28 February, 2017

Ali Mohammed:

excellent write up at least it gives me a fore site.

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Continuing Multiplication of *Salmonella enteritidis* Strains in Egg Yolk During Refrigeration at 7.2°C

Richard K. Gast and Rupa Guraya

Abstract: The continuing attribution of human illness caused by *Salmonella enteritidis* to the consumption of contaminated eggs has led to widespread implementation of risk reduction programs for commercial egg production, often emphasizing prompt refrigeration of eggs to prevent bacterial multiplication to dangerously high levels. However, microbial growth may not cease immediately inside warm eggs after transfer to refrigerated storage. The present study compared the abilities of 8 *S. enteritidis* strains (of 4 phage types) to continue multiplying in experimentally contaminated egg yolk during the first 24 h after transition from warm to refrigeration temperatures. After 15 mL samples of egg yolk were inoculated with 10 CFU/ml of *S. enteritidis*, they were incubated at 37°C for 16 h and then transferred into refrigeration at 7.2°C for 24 h. Bacterial cell concentrations were determined following 37°C incubation and again after both 8 and 24 h at 7.2°C. All 8 *S. enteritidis* isolates multiplied significantly during 16 h of incubation, reaching an overall mean of log₁₀ 8.790 CFU/ml. After refrigeration, the observed mean values for cell concentrations in yolk samples were log₁₀ 8.780 CFU/mL at 8 h and log₁₀ 8.849 CFU/mL at 24 h. For 3 of 8 strains, a significant (p<0.05) increase in cell concentrations in egg yolk occurred during 24 h of refrigeration. These results support the importance of prompt egg refrigeration for minimizing the numbers of *S. enteritidis* in marketed table eggs, although refrigeration at 7.2°C may not immediately or completely arrest multiplication by all strains.



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