**Microclimate, Body Weight Uniformity, Body Temperature, and Footpad Dermatitis in Broiler Chickens Reared in Commercial Poultry Houses in Hot and Humid Tropical Climates.**

Sohsuebngarm D, Kongpechr S and Sukon P.

ABSTRACT: The present study was conducted to investigate the variations of microclimate variables along the length of commercial broiler houses and to determine the associations between microclimate variables and animal variables in broiler chickens. A routine rearing program involving 480,000 broiler chickens was conducted in 24 commercial broiler houses (with dimensions of 14×120×2.5 m, yielding 1,680 m² of rearing area per house). Of these, 6,000 chickens were randomly selected for outcome measurements. Microclimate variables (Ambient Temperature (AT), Relative Humidity (RH), Air Velocity (AV), heat index, effective temperature, and ammonia) and animal variables (body weight uniformity, body temperature, and Footpad Dermatitis (FPD)) were measured at 10 sections (12 m apart) from the proximal end to distal end along the length of each broiler house. Regression analysis was used to determine the pattern of each microclimate variable along the length of the broiler houses and to determine the associations between the microclimate variables and the animal variables. The results showed that AT, heat index, and ammonia linearly increased from the front end to the rear end of the houses. In contrast, RH linearly decreased from the front end to the rear end of the houses. The regression analysis revealed no significant association between any of the microclimate variables and the body weight uniformity. Increasing AT and AV were associated with increasing mean body temperature. Increasing AT was associated with decreasing FPD. However, increasing RH and AV were associated with increasing FPD. In conclusion, the microclimate variables had various trends along the length of broiler houses.

Key words: Body weight uniformity, Broiler house, Footpad dermatitis, Microclimate
The present study examined the effect of replacing clover hay with Peanut Vein Hay and exogenous enzymes in diets on performance, nutrient digestibility and carcass traits of growing New Zealand White rabbits. The experimental treatments were as follows: T1 (control diet without Galzym); T2 (control diet with Galzym); T3 (25% PVH without Galzym); T4 (25% PVH with Galzym); T5 (50% PVH without Galzym); T6 (50% PVH with Galzym). Broilers were weighed at the beginning and at the end of the experiment. The groups served as control. To determine the number of oocysts, all feces from the broilers of each group were kept isolated throughout the study. Chickens in groups 1, 2, 3, 4, 5, and 6 were orally infected with E. tenella. The average number of experimental group were daily collected from the days 6 to 12 after infection. Counting was carried out using the McMaster technique. The average number of oocysts per gram of feces in broilers of the groups 1 to 6 was 4,080; 6,880; 1,780; 1,530; 662; 1,000; 250; 125; 62; and 15 oocysts/ml, respectively. Broilers of group 7 were uninfected and served as control. To determine the number of oocysts, all feces from the broilers of each group were kept isolated throughout the study.

Key words: Oocysts, Experimental model, Broilers, Coccidiosis, E. tenella, Growth performance, Carcass traits.
clade 2.2.1 was predominant and remained stable. It was demonstrated that new unreported
the Impact of Climate Variability on Outbreak Occurrence in Some Governorates of Nile
equation model. The highest prevalence rate was recorded in Dakhlia and Qalyobia
in five Nile Delta governorates, Egypt (Dakhlia, Qalyobia, Sharkia, Gharbia, and Menofia) where
[Full text-
poultry flocks in Egypt. The present study described the spatiotemporal dynamics of HPAI H5N1
DOI:
Epidemiological Study on Highly Pathogenic Avian Influenza H5N1 Virus with Modeling
virus circulates and causes infection throughout the year, indicating changes in virus
of climate variability in outbreaks occurrence using the statistical generalized estimating
governorates, while Menofia governorate had the lowest one. From 2006 to 2009, the classic
[Full text-
Outbreak by about 6% and 4%, respectively. According to the obtained results, it seems that the
Delta, Egypt.
[Full text-
most cases were reported for the years 2006 to 2016. Moreover, this study explored the impact
World Vet. J.
ABSTRACT:
Gallinarum
[Full text-
Salmonella
Key words:
[Full text-
Diab MS, Zaki RS, Ibrahim NA and Abd El Hafez MS.
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
[Full text-
S.
An The objective of this article was to investigate functional reserves of the testosterone synthesizing system in the blood of heifers in different breeds. World Vet. J. 9(4): 297-301. www.wvj.science-line.com


Activity of Aloe vera, Apium graveolens and Sauropus androgynus alcoholic extracts against methicillin-resistant Staphylococcus aureus (MRSA)


Prakoso YA, Kurniasih, Wijayanti AD and Kristianingrum YP. (2019), Testosterone synthesizing system, chorionic gonadotropin was intramuscularly administered at 6 months of age, and the activity coefficients of the testosterone synthesizing system were calculated for experimental groups. World Vet. J. 9(4): 297-301. www.wvj.science-line.com
An Research on protein hydrolysate has been performed by using various types of in bovine worldwide.

Crossref Metadata

PDF

Crossref Metadata

[XML]

Google Scholar

PDF

1

PDF

[XML]

Abstract:

Mosul city, Iraq. From February to March 2013, 19 ailing cats were caught through animal control campaigns and euthanized. Necropsy and histopathologic findings were recorded for the collected lungs. The results indicated lesions in all the lung samples. Pathomorphogical changes, reflecting the presence of the pathogen agents and pollution in the environment of this city.

Key words:

Stray cats, Lesions, Lung, Pneumonia, Stray cats.

Detection of Lung Affections of Stray Cats in Mosul City, Iraq. Al-Mallah KH and Saeed MGh. (Full text-

DOI: https://dx.doi.org/10.36380/scil.2019.wvj43

Research Paper


Research Paper

DOI: https://dx.doi.org/10.36380/scil.2019.wvj44


ABSTRACT:

Recent studies revealed that different species of tilapia, particularly Nile tilapia, are a good source of animal protein and can be used as a protein source for human consumption. Protein hydrolysates made from Nile tilapia viscera were evaluated in this study. The results indicated that the hydrolysis of Nile tilapia viscera led to an increase in the protein content (57.81% ± 0.01 (dry basis)). The results indicated that the hydrolysis of Nile tilapia viscera led to an increase in the protein content (57.81% ± 0.01 (dry basis)). The results indicated that the hydrolysis of Nile tilapia viscera led to an increase in the protein content (57.81% ± 0.01 (dry basis)).

Key words:

Chemical characteristics, Protein hydrolysates, Tilapia, Viscera.