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Effect of Crystalline Progesterone on Ovarian Changes, Oviposition Pattern and Egg Quality Parameters of One hundred and Eighteen Lohmann Brown Hens

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Abstract The experiment was conducted to determine the effect of crystalline progesterone on ovarian changes, oviposition pattern and egg quality parameters of one hundred and eighteen Lohmann Brown hens. A single factor completely randomized design was used with each treatment replicated three times. Six different doses (0, 5, 10, 15, 20 and 25 mg/bird) of crystalline progesterone were administered intramuscularly via the keel muscle twice a week for a total period of six weeks. Data obtained were analyzed using GraphPadInStat® statistical package. Results revealed that median ovulation rate (33.3%) in the 5 mg crystalline progesterone group decreased significantly by a magnitude of 66.7% when compared to its corresponding value (100%) in control birds.No significant changes were observed in median weights of ovarian stroma and oviduct across crystalline progesterone treatment groups.Significant decrease was recorded in median count of large yellow follicles across crystalline progesterone treatment groups.There were no significant differences in median counts of small yellow, large white and medium white follicles.Median number of eggs laid decreased significantly in a dose-dependent manner.

Biography:

Mohammed Ahmed Gumel has completed his PhD (Parastology) at the age of 52 years from Bayero University Nigeria. Working at Binyaminu Usman Polytechnic Hadejia, Jigawa State as Chief Lecture. He is the Director school of agric. He has published more than 30 papers in reputed journals and conferences.

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