Researchers Examine the Role of APEC in Turkey Cellulitis

TUCKER, Ga. – May 14, 2020 – USPOULTRY and the USPOULTRY Foundation announce the completion of a funded research project at the University of Georgia in Athens, Georgia, in which researchers examined the role of Avian Pathogenic E. Coli (APEC) in turkey cellulitis. The research was made possible in part by an endowing Foundation gift from the Cooper Family Foundation and is part of the Association’s comprehensive research program encompassing all phases of poultry and egg production and processing. A brief summary of the completed project is shown below. A complete report, along with information on other Association research, may be obtained by going to USPOULTRY’s website, www.uspoultry.org. The project summary is as follows.

Project #707: Potential Impact of Litter Quality on E. coli-Associated Cellulitis in Production Turkeys in Iowa

(Dr. Catherine M. Logue, University of Georgia, Athens, Georgia)

Dr. Catherine Logue and colleagues recently completed a research project that sought to assess the potential impact of the turkey production environment microbiome (including litter), as well as completed a Clostridium cellulitis project to assess the role of litter and its quality on E. coli-associated cellulitis in turkey production. Overall research findings suggest that the primary cause of cellulitis in turkeys is likely linked with clostridia. However, the role of Avian Pathogenic E. Coli (APEC) in the disease process should not be overlooked, as well as how the organism interacts with the host and clostridia present.

The research summary can be found on the USPOULTRY website. Information on other Association research may also be obtained by visiting the USPOULTRY website, www.uspoultry.org.

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