Research Provides Insight on How to Improve Indoor Air Quality in Poultry Housing with Black UV Light

Tucker, Ga., Oct. 14, 2019 – USPOULTRY and the USPOULTRY Foundation announce the completion of a funded research project at Iowa State University in Ames, Iowa, in which researchers provided insight on how to improve indoor air quality in poultry housing with black UV light. The research was made possible in part by an endowing Foundation gift from Koch Foods 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 #F080: Mitigation of Ammonia and Odor Emissions: Improving Indoor Air Quality in Poultry Housing with Black UV Light

(Dr. Jacek Koziel, Iowa State University, Ames, Iowa)

Dr. Jacek Koziel and colleagues from Iowa State University recently completed a research project where they developed and tested a novel mitigation technology for ammonia and odor concentrations and barn emissions based on black UV light and a special chemical coating for barn ceilings, barn walls and barn exhaust fans. Results of this research project showed a reduction in gaseous emissions utilizing this novel approach.

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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