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Bud Malone earned his BS degree in general agriculture from the University of Maryland in 1972 and his MS in animal science from the University of Massachusetts in 1975. He joined the University of Delaware in 1975 and worked 22 years as associate scientist and 12 years as extension poultry specialist. His primary applied research and extension programs focused on litter and mortality management, and best management practices to address broiler waste and air quality issues. He has been a member of the Poultry Science Association since 1975 and served on numerous professional, university, industry and agency committees. In 2009 he retired from the University of Delaware and started a part time consulting business with a primary focus on addressing air, litter and waste issues in the poultry industry.

Over the years, his efforts and achievements have been recognized by the University of Delaware, the poultry industry and government agencies. He received the following awards; University of Delaware Superior Performance Award (1991), Delmarva Poultry Industry, Inc.'s Metal of Achievement Award (1992), Epsilon Sigma Phi's National "Gold Medal Award for Outstanding Program of Excellence" (2000), University of Delaware Cooperative Extension Positively Outrageous Service Award of Excellence (2005), Ratledge Family Award for Outstanding Public Service to the State of Delaware (2005), Phibro Poultry Science Extension Award for Distinguished Service to the Nation's Poultry Industry (2007), Cooperative Extension's Epsilon Sigma Phi Award for Outstanding Program Accomplishment (2007), and United States Department of Agriculture, Natural Resources and Conservation Service recognition for exemplary service, research and educational efforts to protect air and water quality on poultry farms on the Delmarva Peninsula (2009).

One of Bud's greatest attributes has been the ability to continuously shift his extension and research interest to address emerging issues. The following is brief synopsis of the most significant contributions during the past ~twenty years. After passage of Delaware's Nutrient Management law, he developed the state's waste management plan, curriculum for poultry nutrient generator certification, co-taught classes to certify growers and provided continuing educational classes for all 1200 poultry growers in Delaware. His expertise in waste management, particularly composting both routine and catastrophic mortality is nationally recognized. He was instrumental in developing the procedures for composting both routine and catastrophic poultry mortality losses in the USA and was a co-author of a Council of Agricultural and Science (CAST) paper entitled; "Poultry Carcass Disposal Options for Routine and Catastrophic Mortality". He has spoken at numerous conferences on mortality composting, both nationally and internationally.

To address emerging neighbor-relations and environmental concerns on poultry farms, Bud implemented and conducted numerous demonstrations on planting trees around poultry farms. This initiative was well received and supported by the poultry industry and various agencies. It is recognized as a cost-effective technology to abate numerous concerns, particularly making the poultry industry more compatible with its urban neighbors. As a direct result the regional poultry industry trade association (DPI) hired a person to implement planting these vegetative environmental buffers around poultry farms. Many counties on Delmarva now require these vegetative buffers for new or expanded poultry farms. Bud has given nearly 75 presentations on this topic in the USA as well in Australia and continues to consult for other livestock industries that have similar neighbor-relations or emission challenges.

In 2004 Bud was Delmarva's poultry industry team leader for disposal of avian influenza-infected flocks using in-house composting. While responding to this event he conceived, and worked with a team of researchers in the development of water-based foam for mass depopulation of flocks. This patented technology is approved for use in the USA and has become the method of choice for depopulating meat-bird flocks having a zoonotic disease. Following the 2004 Delmarva avian influenza event he provided leadership on a national training program on options and procedures for depopulating and disposing of poultry flocks with avian influenza. Approximately 50 training sessions were conducted in North, Central and South American on this topic. This training was timely, very well received and a major factor in helping the USA poultry industry prepare for a disease emergency. The successful adoption of foam depopulation followed by in-house composting for disposal in the USA has lead other countries to explore these technologies when dealing with a highly pathogenic disease situations. In 2015 he was deployed by USDA to the Midwest as a subject matter expert on composting avian influenza infected turkey and layer farms.

Another focus area has been in-house composting of poultry litter between flocks as a means of reducing pathogen loads and extending the life of litter. He conducted research to better define the procedures for this litter management technology and continues to provide educational programs and documents on this subject.

During the past five years his major consulting activities have been in the following areas. Monitoring the performance, behavior and air quality on an innovative flooring system for broiler houses. Assist with calculations of the cost effectiveness of mortality freezers as a BMP. Provide technical support and poultry industry liaison for a Delmarva litter anaerobic digestion/nutrient recovery plant(s). Review and give technical support to defend three nuisance related lawsuits. One involved the design, implementation and monitoring of a vegetative buffer to abate odors on a Midwest swine farm. Another was a technical review of the litter, waste and mortality management practices of a Midwest broiler operation and the design of vegetative buffer. Most recent was review and expert opinion on litter, waste and mortality management allegedly contributing to a community nuisance lawsuit in the South.