

# PH MATTERS

by JONES-HAMILTON CO

Summer 2023



## MINIMIZING RISK IN LIVE PRODUCTION

While a certain amount of risk is unavoidable in animal production, managing risk can help limit exposure to losses. In live production, risk presents itself in many forms, one of which is ammonia.

Ammonia is a natural consequence of raising poultry and it can be responsible for:



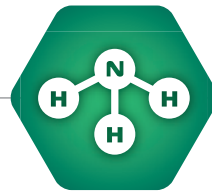
EQUIPMENT  
CORROSION



FOOTPAD LESIONS  
AND LOSSES FROM  
DOWNGRADED  
PAWS



RESPIRATORY  
DISEASE IN BIRDS



AMMONIA  
DESENSITIZATION/  
EXPOSURE FOR  
WORKERS



CORNEAL LESIONS  
AND BLINDNESS IN  
BIRDS

The application of litter amendments has become a common method of limiting the risk of ammonia exposure. However, in working to eliminate ammonia, facilities must also identify and assess any risks that process and its related products might be introducing.

To assess the risk, ask questions like:

- IF AMMONIA SPIKES ONCE BIRDS ARE PLACED, IS YOUR LITTER AMENDMENT SAFE TO APPLY ON TOP OF BIRDS?
- IF EXPOSED TO THE ACTIVE INGREDIENT OF THE AMENDMENT AT PLACEMENT OR DURING GROW-OUT, CAN IT CAUSE BREAST LESIONS OR PAW BURNS?
- ARE THE REQUIRED OR RECOMMENDED APPLICATION PROCEDURES OF THE AMENDMENT IN CONTRAST TO RECOMMENDED HUSBANDRY PRACTICES?
- DOES THE PRODUCT ITSELF PRESENT A RISK TO EMPLOYEES OR REQUIRE EXTRA ENVIRONMENTAL CONSIDERATIONS?



Litter amendments that contain free sulfuric acid are classified as a Class 8 Hazard by the Department of Transportation. Not only does this present risk in the transportation and application procedures, it also limits application timing since sulfuric acid can burn skin.



PLT (sodium bisulfate) is a formulated product, not free sulfuric, so it won't burn skin and can be applied at any time. PLT requires a hydrogen atom to activate, which it pulls in the form of water from the air or litter. This unmatched safety for people and animals is one reason the product was awarded the EPA Safer Choice designation.



When you can safely control ammonia, reduce pH to reduce the microbial action of odor-causing bacteria in litter, and maintain air quality throughout the flock, you limit exposure to conditions that can negatively impact bird performance and welfare, and worker safety.



**ONLY PLT CAN CLAIM SAFE,  
EFFECTIVE AMMONIA CONTROL  
AT ANY TIME - EVEN WITH  
BIRDS IN THE HOUSE.**



30354 Tracy Road, Walbridge, OH 43465  
888-858-4425 • JonesHamiltonAg.com