

## PLT® - POULTRY LITTER TREATMENT



- Immediately binds ammonia for improved air quality
- Lowers pH of poultry litter (8.5 average down to 2.0) creating an environment unfavorable for bacteria growth
- Paw quality improves through the reduction of ammonia released from litter
- Enables safe reuse of litter—eliminating cost of new litter and cleanout
- Ammonia bound in the litter is beneficial to crops and forages, and increases the nitrogen fertilizer value
- Can be safely used in any production model (traditional, antibiotic free, no antibiotics ever, raised without antibiotics) anytime throughout the growout cycle
- Can be applied with any type of spreader or with professional application services

### PRODUCT DATA SHEET FOR TURKEYS

PLT® litter treatment lowers litter pH and eliminates ammonia for improved air quality in poultry houses. As the only litter treatment that can be safely applied with birds in the house, PLT® helps maintain air quality from placement through growout. Plus, PLT® helps poultry producers decrease environmental emissions and increase the nutrient value of poultry litter.

*\*Sodium Bisulfate has been reviewed by EPA's Safer Choice Program and qualifies for use in Safer Choice-labeled products.*



For optimal performance of PLT® and to gain the maximum performance benefits for birds, the following application procedures are recommended.

## APPLICATION INSTRUCTIONS FOR COMMERCIAL TURKEYS–BROOD BARN

1. Prepare houses as normal for poult placement.
2. Apply PLT® evenly on top of the litter in the entire brood barn at 50 lbs./1,000 sq. ft. (25 kg/100m<sup>2</sup>), 2 to 24 hours prior to poult placement. Do not till PLT® into the litter.
3. If a disease outbreak occurred in the brood barn, apply PLT® to the dirt floor at the rate of 100-200 lbs./1,000 sq. ft. (49-91 kg/100 m<sup>2</sup>) before applying new bedding. Do not apply to concrete.

## APPLICATION INSTRUCTIONS FOR COMMERCIAL TURKEYS–GROW-OUT BARN

1. Completely close turkey barn immediately after prior flock is removed to maintain heat and purge ammonia. Ventilate enough to prevent moisture condensation or when personnel are working in the house.
2. Remove caked and wet areas only from the surface of the litter. Do not till or disturb deep litter (increasing surface area increases ammonia release). The litter serves as a barrier to ammonia stored in the deep layers of bedding.
3. Preheat the litter to purge ammonia prior to turkey transfer. Heating the litter causes a large purge of ammonia and moisture regardless of the litter's starting temperature. Preheating 48 hours in advance of turkey placement allows time for this purge to occur before the turkeys are in the house. The more ammonia that is purged at this stage, the longer low ammonia levels will be maintained after PLT® is applied.
4. If applying on built-up litter, open inlets fully and turn fans on OR drop sidewall curtains to exhaust ammonia as quickly as possible. Once ammonia is exhausted, turn fans off or close sidewall curtains. This prevents PLT® from being wasted on ammonia already released.
5. Apply PLT® evenly on top of the litter of the entire grow-out barn at 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m<sup>2</sup>), 2 to 24 hours prior to turkey placement. Do not incorporate PLT® into the litter. The more ammonia and moisture present, the more PLT® required.
6. Begin minimum ventilation just prior to turkey placement.
7. PLT® can be safely applied or re-applied with turkeys in the house at any time.

## PAD ACIDIFICATION

1. Completely clean out litter from house. The thick, wet and decaying litter on the floor MUST be removed. Corners and footings should be swept or shoveled if necessary. Wash and disinfect house as desired. Allow time for dirt pad to dry completely. Disinfectants with an acidic pH are preferred.
2. Apply PLT® directly to surface of DRY dirt pad at rate of 100-200 lbs./1,000 sq. ft. (49-91 kg/100 m<sup>2</sup>).
3. If desired, apply insecticides to dirt pad during or after PLT® application.
4. Install dry bedding material and prepare house as normal for turkey placement.

## RECOMMENDATIONS FOR TURKEY BREEDER APPLICATION

1. Apply PLT® at a rate of 100 lbs./1,000 sq. ft. (49 kg/100 m<sup>2</sup>), 24 hours prior to poult placement.
2. Apply PLT® at a rate of 75 lbs./1000 sq. ft. (37 kg/100 m<sup>2</sup>) immediately prior to periods of highest stress in either the young hen or breeder house (i.e. 24 hours prior to killed vaccine administration).
3. Apply PLT® (whole house) at the rate of 100-150 lbs./1,000 sq. ft. (49-73 kg/100 m<sup>2</sup>) at least 24 hours prior to breeder placement. Make sure to include the cull pens and pens.
4. Re-apply PLT® at a rate of 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m<sup>2</sup>) at times of therapeutic antibiotic usage in the breeder house (i.e. Amprol, penicillin).
5. Re-apply PLT® at a rate of 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m<sup>2</sup>) approximately one week prior to anticipated peak production.

## PROPER STORAGE AND HANDLING INSTRUCTIONS

When applying PLT®, please wear the following protective items: safety goggles, long pants with pant leg outside of boot or shoe, long sleeve shirt, gloves and dust mask. Store PLT® in a dry area and tightly re-seal open bags when storing. Be sure to prevent exposure from moisture prior to application. **DO NOT MIX** PLT® with liquid chlorine bleach, ammonia cleansers or similar products.

## QUALITY AND SAFETY

- Non-hazardous per current U.S. Department of Transportation definition
- Sodium Bisulfate is on the EPA Safer Choice Program Safer Chemical Ingredient List
- Produced following a Quality Management System certified to the ISO 9001:2008 Standard
- GMO-Free, BSE-risk free material

