

PLT® - POULTRY LITTER TREATMENT

- Immediately binds ammonia for improved air quality
- Lowers pH of poultry litter creating an environment unfavorable for bacterial growth
- Paw quality improves
- Enables safe reuse of litter—eliminating cost of new litter and cleanout
- Ammonia bound in litter increases the nitrogen fertilizer value which is beneficial to crops and forages
- Can be safely used 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 and acidifies litter from placement through growout. Plus, PLT helps poultry producers decrease ammonia and greenhouse gas 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. If a disease outbreak occurred in the brood barn desired, apply PLT to the dirt floor at the rate of 150-200 lbs./1,000 sq. ft. (68-91 kg/100 m²) before applying new bedding. Do not apply to concrete.
2. Prepare houses as normal for poult placement.
3. Apply PLT evenly on top of the litter in the entire brood barn at 50 lbs./1,000 sq. ft. (25 kg/100 m²), 2 to 24 hours prior to poult placement. Do not till PLT into the litter.

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 100-125 lbs./1,000 sq. ft. (49-61 kg/100 m²), 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 150-200 lbs./1,000 sq. ft. (68-91 kg/100 m²).
3. 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 m²), 24 hours prior to poult placement.
2. Apply PLT at a rate of 75-100 lbs./1000 sq. ft. (37-45 kg/100 m²) immediately prior to periods of highest stress in either the young hen or breeder house (i.e. 24 hours prior to HE or killed vaccine administration).
3. Apply PLT (whole house) at the rate of 100-150 lbs./1,000 sq. ft. (49-73 kg/100 m²) at least 24 hours prior to breeder placement. Make sure to include the cull pens and hospital pens.
4. Re-apply PLT at a rate of 100 lbs./1,000 sq. ft. (49 kg/100 m²) at times of therapeutic antibiotic usage in the breeder house (i.e. amprolium, penicillin).
5. Re-apply PLT at a rate of 100 lbs./1,000 sq. ft. (49 kg/100 m²) 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 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



Determine your custom application rate with our PLT pHacts mobile app.



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