

PRODUCT DATA SHEET FOR TURKEYS



Poultry Litter Treatment

The Science of Litter Management

PLT® litter acidifier has proven to be the most effective and economical litter treatment available, used in tens of thousands of commercial poultry houses around the world. PLT® creates a beneficial environment in the poultry house by controlling ammonia released from the litter and reducing litter pH levels, allowing turkeys to optimize their genetic potential. The ammonia bound by PLT® reduces environmental emissions and increases the nutrient value of poultry litter.

PHYSICAL DESCRIPTION

Appearance: Dry, white granular product. Odor: Slightly acidic, non-offensive.

USES

PLT® can be utilized with broilers, breeders, turkeys, commercial pullets and layers, quail, pheasants, ducks and any other litter-based operation.

PACKAGING

- 50 pound (25 kg) poly-vinyl bags
- 2,000 pound (2,200 metric ton) super sacks on pallet

APPLICATION

- Due to its uniformity, PLT® application is quick and easy.
- Can be applied with any type of spreader.
- Commercial application is available in certain areas of the United States.
- Only litter treatment that can be safely applied with turkeys in the house.

BENEFITS

Ammonia Control/Fuel Savings

- Immediately binds ammonia in the treated area of the poultry house.
- Reduces urease production.
- Reduces ammonia released from the litter.
- Ammonia bound in the litter increases fertilizer value.

Litter Acidification

- Lowers the pH of poultry litter from an average 8.5 down to 1.5 on the pH scale.
- Acidifying litter dramatically improves litter ecology.

Safe Reuse of Litter

- Use of PLT® before each flock extends life of the litter.
- Saves the cost of new litter and cleanout.
- PLT®-treated litter is good for crops and the environment.
- Turns volatile ammonia into stable ammonium sulfate increasing the fertilizer value of the litter.



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./1000 sq. ft. (25 kg/100m²) 2 to 24 hours prior to poult placement. **Do not** incorporate 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, then fifteen (15) minutes before PLT® application, open inlets fully and turn fans on OR drop sidewall curtains to exhaust ammonia as quickly as possible. Once ammonia gas 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./1000 sq. ft. (37-49 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 old litter from house. The thick dark, wet decayed litter on the floor **MUST** be removed. Corners and footings should be swept or shoveled if necessary.

2. Wash and disinfect house as desired. Allow time for dirt pad to dry completely. Disinfectants with an acidic pH are preferred.
3. Apply PLT® directly to surface of DRY dirt pad at rate of 100-150 lbs./1000 sq. ft. (49-73 kg/100 m²).
4. If desired, apply insecticides to dirt pad during or after PLT® application.
5. Install dry bedding material.
6. Prepare house as normal for turkey placement.

RECOMMENDATIONS FOR TURKEY BREEDER APPLICATION

1. Apply PLT® at a rate of 100 lbs./1000 sq. ft. (49 kg/100 m²) 24 hours prior to poult placement.
2. Apply PLT® at a rate of 75 lbs./1000 sq. ft. (37 kg/100 m²) 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./1000 sq. ft. (49-73 kg/100 m²) at least 24 hours prior to breeder placement. Make sure to include the cull pens and broody pens.
4. Re-apply PLT® at a rate of 75-100 lbs./1000 sq. ft. (37-49 kg/100 m²) 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./1000 sq. ft. (37-49 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 current U.S. Department of Transportation definition
- Produced following a Quality Management System certified to the ISO 9001:2008 Standard
- GMO-Free
- BSE-risk free material

