

# PRODUCT DATA SHEET FOR BROILER BREEDERS



## Poultry Litter Treatment

*The Science of Litter Management*

PLT® litter acidifier has proven to be the most effective and economical litter amendment 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 birds 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 amendment that can be safely applied with birds 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 PROCEDURE FOR FLOOR-RAISED PULLETS

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® litter amendment directly to surface of DRY dirt pad at rate of 100-150 lbs/1000 sq. ft. (49-73 kg/100 m<sup>2</sup>)
4. If desired, apply insecticides to dirt pad during or after PLT® application.
5. Install dry bedding material.
6. Prepare house as normal for bird placement.
7. 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.
8. Apply PLT® on TOP OF THE LITTER EVENLY 2-24 hours prior to bird placement at a rate of 75-100 lbs/1000 sq. ft. (37-49 kg/100 m<sup>2</sup>). A broadcast or drop spreader can be used to apply PLT®. **DO NOT INCORPORATE PLT® INTO THE LITTER.**
9. Ventilate house to maintain a relative humidity between 50% and 70% while the birds are in the brood chamber. This will help minimize ammonia production, improve longevity of PLT® and provide the optimum environment for the birds. Humidity above 70% will cause litter caking and increased ammonia production.
10. After bird placement, humidity will rise gradually. Check relative humidity levels frequently to control moisture and avoid **unnecessary over-ventilation.**
11. PLT® litter treatment activation is not dependent on litter temperature. Relative humidity of 50%-70% is recommended for proper activity.
12. Re-apply PLT® to the entire house at 75-100 lbs/1000 sq. ft. (37-49 kg/100 m<sup>2</sup>) 24 hours prior to initiation of restricted feeding.
13. Re-apply PLT® to the entire house at 75-100 lbs/1000 sq. ft. (37-49 kg/100 m<sup>2</sup>) 24 hours prior to cholera vaccination and final series of killed vaccinations.
14. PLT® litter amendment activation is not dependent on litter temperature. Relative humidity of 50-75% is recommended for proper activation (low or high humidity conditions may affect results).

## APPLICATION PROCEDURE FOR BROILER BREEDERS & FLOOR-RAISED COMMERCIAL LAYERS

1. Completely remove all litter from the house. Sweep or shovel litter from corners, around footings, etc.
2. Wash down and disinfect house, if necessary and allow pad to dry completely.
3. Apply PLT® to the entire dirt pad at 75-100 lbs/1000 sq. ft. (37-49 kg/100 m<sup>2</sup>)
4. Install dry bedding material.
5. Prepare houses as normal for pullet transfer.
6. Apply PLT® to the scratch area at 75-100 lbs/1000 sq. ft. (37-49 kg/100 m<sup>2</sup>) 24 hours prior to pullet transfer. Do not incorporate PLT® into the litter.
7. Re-apply PLT® to the scratch area at 75-100 lbs/1000 sq. ft. (37-49 kg/100 m<sup>2</sup>) on week 24, 28, 32, 38, 44, 50 and 56 (if carrying flock out to 65 weeks).

## PLT® LITTER AMENDMENT 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

