

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 BROILERS BREEDER

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 PROCEDURE FOR FLOOR-RAISED PULLETS

1. Completely clean out litter from house. The thick, wet, 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[®] litter amendment directly to surface of DRY dirt pad at rate of 100-200 lbs./1,000 sq. ft. (49-91 kg/100 m²). If desired, apply insecticides to dirt pad during or after PLT[®] application.
3. Install dry bedding material and prepare house as normal for bird placement.
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[®] on **TOP OF THE LITTER EVENLY** 2-24 hours prior to bird placement at a rate of 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m²). A broadcast or drop spreader can be used to apply PLT[®]. **DO NOT TILL PLT[®] INTO THE LITTER.**
6. Ventilate house to maintain a relative humidity between 50% and 70% while the birds are in the brood chamber as low or high humidity conditions may affect results. Also, humidity above 70% will cause litter caking and increased ammonia production. Check relative humidity levels frequently to control moisture and avoid unnecessary over-ventilation. PLT[®] litter treatment activation is not dependent on litter temperature.
7. Re-apply PLT[®] to the entire house at 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m²), 24 hours prior to initiation of restricted feeding, or prior to cholera vaccination and final series of killed vaccinations.

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. Wash down and disinfect house if necessary and allow pad to dry completely.
2. Apply PLT[®] to the entire dirt pad at 75-200 lbs./1,000 sq. ft. (37-91 kg/100 m²).
3. Install dry bedding material and prepare houses as normal for pullet transfer.
4. Apply PLT[®] to the scratch area at 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m²) 24 hours prior to pullet transfer. Do not till PLT[®] into the litter.
5. Re-apply PLT[®] to the scratch area at 75-100 lbs./1,000 sq. ft. (37-49 kg/100 m²) on weeks 24, 28, 32, 38, 44, 50 and 56 (if carrying flock out to 65 weeks).

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. Wash and disinfect equipment immediately after application using a strong, alkaline disinfectant.

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

