

## **Amendments for the Treatment of Poultry Litter**

### **Practice Code 591 ~ EQIP - 2006 Job Sheet**

<b>Incentive Payment:</b>	<b>\$24.00 per 1000 square feet</b>
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*Life of Farm Bill (2002 - 2007) maximum of 80,000 square feet per individual or entity*

#### **Purpose for Its Use and the Planned Outcome**

- Reduce ammonia emissions from poultry facilities by binding ammonia.
- Improve poultry health by decreasing ammonia volatilization and lowering the pH of litter.
- Reduce the ventilation needed to maintain proper indoor air quality and conserve heating and electrical energy cost.
- Increase the proportion of nitrogen in the manure, making the manure a more valuable and balanced fertilizer.
- Protect water quality by reducing phosphorus solubility.

#### **Application and Incorporation Procedures**

Goal is to manage and manipulate factors in poultry houses that generate ammonia. Producers can decrease ammonia by good litter management and using amendments to reduce pH and bind ammonia. Products with aluminum, iron or calcium can bind a portion of the soluble phosphorus making it less likely to leach and runoff.

Steps to follow:

- Use low moisture replacement bedding or dry new bedding if excessively moist. Maintain at least three inches of litter depth.
- Remove crust immediately after bird movement and allow litter to dry between flocks.
- Fix all water leaks, drips and replace worn nipple drinkers. Improve drainage outside houses and divert water away from house foundations.
- Use proper and adequate ventilation to maintain good litter and air quality. Additionally, to avoid wet litter due to condensation in cold weather, seal cracks and repair damaged insulation
- Maintain uniform bird density in the house. To avoid litter wetness due to high bird density, use migration partitions and maintain uniform temperature, lighting and air flow throughout the house. Adjust migration partitions as needed to maintain uniform density
- Consider properties of amended litter and intended end-use of litter when selecting a litter treatment.
- Follow manufacturers' recommendations on application timing, method, incorporation, safety precautions and handling/storage (Review table1 in 591 Standard for general details).
- Apply product to the entire litter surface area in the whole house. Timing should be according to manufactures label.
- Consult company service personnel on optimum ventilation schedule to control litter moisture and provide proper air quality.

**Operations and Maintenance:**

Producers Name: \_\_\_\_\_

House Receiving Treatment	Size (Sq. ft.)	Ventilation Type Tunnel/side fan	Area Treated (Sq. ft.)	Date Treated	Product Used	Rate Lbs or gal	Incorporated (Yes – No)

Each flock payment will be based on a flat rate of \$24.00 per 1000 square foot treated not to exceed 80,000 sq.ft.

**Special Handling and Storage Requirement** \_\_\_\_\_

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**Any Safety Concerns and Recommended Measures to Overcome Safety** \_\_\_\_\_

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