

Al+Clear®A7 Litter Amendment



Save Time, Labor & Money with Our Custom Application

Al+Clear®A7 is applied using custom applicators. This approach provides consistent and uniform application and will save time, labor and money, eliminating the need to transport and store self-applied litter amendment.

Unsurpassed Ammonia Reduction: Al+Clear®A7 is a second generation liquid product which has extended ammonia control, reduces litter moisture and pH as well as binds phosphorus. Formulated to activate in dry conditions.

Proven Performance: Al+Clear®A7 is approved by all major broiler integrators and the preferred litter amendment at many complexes throughout the broiler industry.

Safe and Flexible: Al+Clear®A7 is applied directly onto the litter via a coarse spray, never coming into contact with equipment, cables or sidewalls. It can be applied three-to-five days prior to bird placement offering flexibility to suit your schedule.

NEW! Al+ClearA7® Advantage: A patented combination of Al+Clear®A7, disinfectants and sanitizers to reduce pathogen levels on farms with chronic production issues or disease challenges.

How Al+Clear®A7 Works

Al+Clear®A7 (Al+Clear® Liquid + Sulfuric Acid) combines early activation benefits of sulfuric acid with liquid Al+Clear®, a Lewis acid which also reduces pH (neutralizes alkalinity).

The combined reaction of fully hydrolyzed sulfuric acid and hydrolysis of Al+Clear® result in an immediate ammonia knock down (pH < 2.0), followed by the controlled generation of acid ions (pH < 2.5) from the hydrolysis of Al+Clear®, through a series of buffered reactions which provide for extended ammonia control.

The Al+Clear® component in Al+Clear®A7 effectively binds soluble phosphorus qualifying it for both air and water EQIP standards. Al+Clear®A7 reduces water activity (Aw) of litter by chemically binding available water during the acid formation process.

Al+Clear®
LITTER AMENDMENTS

Al+Clear® A7 Litter Amendment

Al+Clear® A7 Best Management Practices

Pre Al+Clear® A7 Application

- Close house as soon as birds are removed from the house – retaining litter temperature is important for ammonia release
- Set house to run on minimum ventilation to remove any ammonia being released from litter
- Litter should be managed per integrator guidelines (de-caking, windrowing) within 48 hours of bird removal
- Windrowing requires a minimum of 14 days of layout between flocks and requires a higher rate of Al+Clear® A7
- Pulverizing litter is not recommended
- Litter work must be completed 3 days prior to Al+Clear® A7 application (windrows knocked down and/or floors leveled)
- Equipment (feed and water), hoses, cords, sensors and feed drop tubes should be raised as high as possible to prevent obstructions
- Schedule application for 3 - 5 days prior to placement (additional product is required if scheduling > 5 days prior)
- House must be purged of ammonia prior to application of Al+Clear® A7 (Run 2 tunnel fans, weather permitting)
- Excessive ammonia at time of application will cause Al+Clear® A7 to be used prematurely
- Doors should be opened prior to applicator arrival with lights on and tunnel fans running to ventilate house
- Insecticides may be applied before or after, just make sure whichever is applied first has dried
- Insecticide warning – If using encapsulated insecticide product it must be put down after Al+Clear® A7 has dried

Post Al+Clear® A7 Application

- Close house up and set fans to run on minimum ventilation
- If floors were damp/wet additional ventilation is required (continuous – weather permitting)
- When ventilating – pull air away from your brood chamber (don't pull untreated air to treated area)
- Al+Clear® A7 will be dry in 3 – 6 hours
- Drop equipment and lower brooding curtains as soon as possible
- Secure curtains and partitions so untreated air cannot “leak” into brood area
- Set up for chick placement and preheat house per integrator guidelines
- Litter will release ammonia during the preheat process – increase fan time to clear the air if a fog occurs
- Minimum ventilation must be run during preheat – even though there is no ammonia

Product	Range for Different Litter Conditions				EQIP	
	Low Challenge*		High Challenge*			
	Summer	Winter	Summer	Winter		
Al+Clear® A7: gallons per 1,000 sq ft	20	25	25	30	32	64
Low Challenge* = Normal summer conditions; low disease challenge; < 6 lb. bird						
High Challenge* = Winter conditions; high disease challenge; > 6 lb. bird						

Add 5 gallons per 1000 ft² when windrowing, disease challenges are present, or when applying 7 days prior to placement



CHEMTRADE