TECHNICAL
Data Sheet

Ammonia Treat for Poultry (ATp)

BIO·GREEN PLANET®
environmental products for a greener planet

Key Benefits

- **Poultry Ammonia Control:** Reduces NH3 emissions and odor for safer, cleaner barn conditions.
- **Protects Bird Health:** Lowers respiratory irritation, stress, and footpad issues while supporting welfare.
- **Improves FCR & Growth:** Better air quality contributes to stronger flock performance.
- **Enhances Fertilizer Value:** Retains nitrogen in manure for a higher-value fertilizer product.
- **Simplifies Management:** Easy monthly spray application helps farms meet ammonia guideline targets.
- **Supports All Poultry Types:** Effective across broiler houses, layer barns, breeder flocks, turkeys, and specialty poultry.

Product Description

Ammonia Treat for Poultry (ATp) is a biological ammonia reduction solution designed for broiler, layer, breeder, turkey, and specialty operations. This poultry litter amendment delivers proven poultry ammonia control by directly consuming nitrogen compounds and reducing harmful NH3 emissions in barns. Applied as little as once per month, ATp helps reduce ammonia in poultry houses while supporting bird health, feed efficiency, and overall flock performance.

The ATp microbial consortium includes high-CFU bacteria and fungi selected for hyper-ammonia accumulation and denitrification. These strains not only lower in-house ammonia but also stabilize nitrogen in manure, enhancing crop nutrient value. ATp provides a natural and more effective alternative to harsh chemicals, improving barn air quality and supporting a healthier environment for birds.

Applications

- Layers & Breeders
- Broilers
- Turkeys & Specialty
- Swine & Cattle

Concentration (CFU/g):

- Powder: 50 billion CFU/g dry powder

Custom concentrations available upon request

Packaging Options

- Powder: Supplied in
  - 22 lb (10 kg) pails
  - 44 lb (20 kg) pails
  - 340 lb (155 kg) drums

Shelf Life & Storage

- 2 years at room temperature
- 3 years refrigerated
- Store in a cool, dry location away from direct sunlight.
- Reseal container tightly after each use.

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Application Guidelines

	Range	Optimal
pH Range	5.0 – 9.5	6.0 – 8.0
Temperature	45°F – 120°F (7°C – 49°C)	59°F – 104°F (15°C – 40°C)

Application Rates (U.S. and Metric)

Dose is set by area. Water is only the carrier: use enough to wet the litter or manure surface evenly, about 1.25 gal per 1,000 ft^2 (5.1 L per 100 m^2) with a backpack sprayer, more with larger equipment. Per-gallon figures assume that rate. Backpack example, 4 gal tank: 8 g maintenance, 45 g corrective, 220 g rescue.
Target: under 25 ppm NH_3 at bird height.

Dose (ammonia at bird height)	ATp per 1,000 ft^2 (per 100 m^2)	ATp per gal of water (per L)	Whole house: 20,000 ft^2 (1,858 m^2)
Maintenance: under 50 ppm NH_3	2.5 g (2.7 g)	2 g/gal (0.5 g/L)	50 g / 0.1 lb
Corrective: 50 to 150 ppm NH_3	14 g (15 g)	11 g/gal (3 g/L)	280 g / 0.6 lb
Rescue: over 150 ppm NH_3	70 g (75 g)	55 g/gal (15 g/L)	1.4 kg / 3 lb

Equipment
Apply with a backpack sprayer, ATV/UTV or pickup-mounted sprayer, poultry-house sprayer, or mist blower. Misting is optional. Coverage check: spray plain water over a marked 1,000 ft^2 at working speed, adjust until the surface is evenly wet, then set the dose from the water volume used.
Layer houses with manure belts or pits: apply directly to the manure on the belt, at the belt discharge, or in the storage area, at the same dose per area of manure surface.

Before You Spray
Measure ammonia at bird height in the morning with the house closed up for at least 30 minutes. Use the highest of three readings along the house.
After an acidifying litter amendment (sodium bisulfate, aluminum sulfate, or similar), wait until surface litter pH is above 5.5 before applying ATp; check with a pH strip on a 1:5 litter-to-water slurry, or without a check wait 14 days after sodium bisulfate and 28 days after aluminum sulfate. Low litter pH reduces ATp activity. May be applied before placement, between flocks, or with birds in the house.

Mixing and Spraying
Use non-chlorinated water within the pH and temperature ranges above; let municipal water stand open for 24 hours first. Add ATp to water and stir until dissolved. Use within 6 hours.
Keep the mixture agitated: walking motion is enough for a backpack sprayer; run tank agitation on larger units. Give extra coverage to drinker lines, feeder lines, and wet or caked areas, where most ammonia forms. Do not spray birds directly. Wear gloves and a dust mask when handling dry product.

After Application
Re-measure ammonia 4-5 days after spraying; if still in the same band, repeat at the same dose. Otherwise check weekly and reapply when the reading moves up a band, typically every 2-6 weeks. ATp does not replace ventilation.

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