



Ammonia Reduction in Poultry Layer Barns

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.

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.

LOCATION

Ohio, USA

PROBLEM

High ammonia levels inside high-rise poultry layer barns in colder months. Unable to vent houses due to cold temps outside. Eye burn, skin burn and reduced feed conversion.

TREATMENT

Bio-Green ATp granular product applied directly to high-rise pits on top of manure.

RESULTS

Ammonia levels in pits reduced to below 50 within 4-5 days of product application. Further reduction to below 20 in 6-8 days. Eye burn and skin burn eliminated. Return of beneficials. Stress to birds reduced, improving feed conversion. Regular once-monthly applications of ATp continued indefinitely due to effectiveness, ease of application and cost savings due to reduced labor costs, discontinuation of several less desirable alternative products and return of beneficials.

