



PYClear® & AzaGuard® Darkling Beetle Insecticide Program

THE PROBLEM

Darkling beetles are a common and destructive pest in poultry houses. They create problems for birds and growers alike. By burrowing into wood and insulation, they damage housing, increase energy costs, and can pose a health risk to the flock. When eaten, beetles and their larvae can spread harmful diseases such as Marek's disease (*Leukosis*), avian influenza, *Salmonella*, fowlpox, *Coccidiosis*, botulism, Newcastle disease, and act as vectors for cecal worms and tapeworms.

THE SOLUTION

Achieve quick and effective knockdown of darkling beetles with PYClear's powerful synergized pyrethrin-based formula. Maintain control with AzaGuard, the only azadirachtin-based IGR (Insect Growth Regulator) approved for poultry houses. Both products are derived from natural plant compounds and leave no harmful residues.

The most effective treatments for darkling beetles target the areas where they congregate. Focus sprays under feed lines, near equipment, around baseboards, and approximately 1-foot up interior walls. When possible, spray insects directly. Avoid excessive wetting of litter (use approx. 1-gallon solution/750 sq. ft.).

Combine PYClear and AzaGuard in a tank-mix to provide quick and effective knockdown with the added benefit of lifecycle disruption of immature insects. Use *Low Rate* for smaller infestations and *High Rate* for larger infestations or insecticide-resistant populations.

APPLICATION RATES

Medicator Dilution Rate 1:128		
	Low Rate	High Rate
PYClear	29 fl. oz.	57.3 fl. oz.
AzaGuard	2 fl. oz.	4 fl. oz.
Water	13.06 gallons	12.84 gallons
Total Solution Vol. 13.3 gallon/10,000 sq. ft.		

APPLICATION NOTES

For best control, time applications around these events:

- Three days before placing new flocks: usually in concurrence (but not simultaneously) with anti ammonia litter treatments.
- After flock is depopulated: if more than a week after depopulation, focus sprays toward wall area where darkling beetles migrate for warmth.
- Whenever beetle population exceeds tolerance levels: treatments may be directed at outside walls or around concrete pads to prevent beetle migration to other buildings or surrounding areas.
- REI (Re-entry Interval): Any AzaGuard applications, wait 4 hours. PYClear alone, no REI. It is advised to allow area to dry/air out before re-entry.

Some applications require specific PPE. Please refer to the label prior to use.