



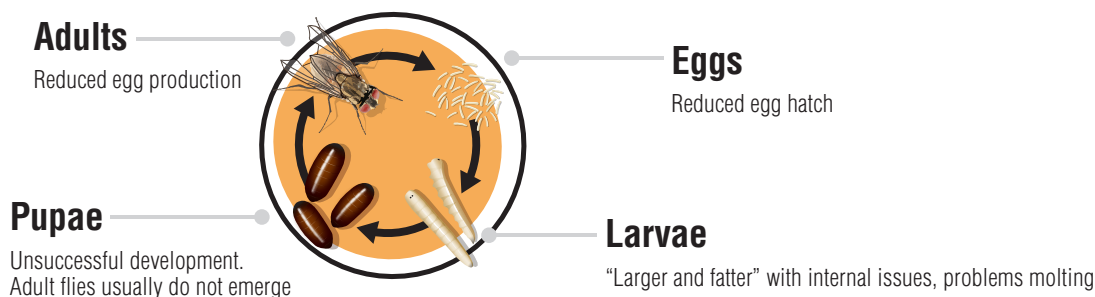
# Over The Top Fly Control: Using NyGuard® IGR At Your Poultry Facility

## What Is NyGuard® IGR?

NyGuard is a type of insect growth regulator (IGR) that mimics juvenile hormone, an insect-specific growth hormone. IGRs work by preventing immature insects from developing into reproductive adults, effectively breaking the insect life cycle. Adding an IGR to your pest control program is highly recommended to help combat insecticide resistance because it is a different mode of action.

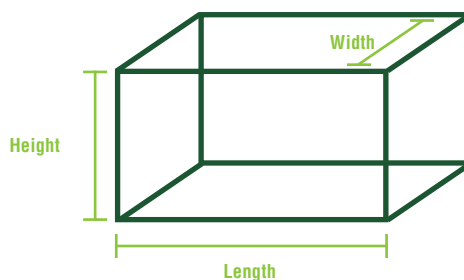
Pyriproxyfen, the active ingredient in NyGuard, is unique in that it has effects on all life stages of a house fly. Because of that, target NyGuard applications to both breeding sites and adult resting areas. After treatment, fly larvae and pupae may still be seen, but they will eventually die and/or not mature into the adult stage.

## Effects On All House Fly Life Stages



## Using NyGuard® IGR

- Applications of NyGuard are permitted when poultry are present.
- Initiate egg collection process prior to application. The egg collection equipment does not need to be active during application and eggs can be present at the time of application.
- When applying with ULV equipment, calculate cubic feet to determine how much product is needed by multiplying length by width by height.



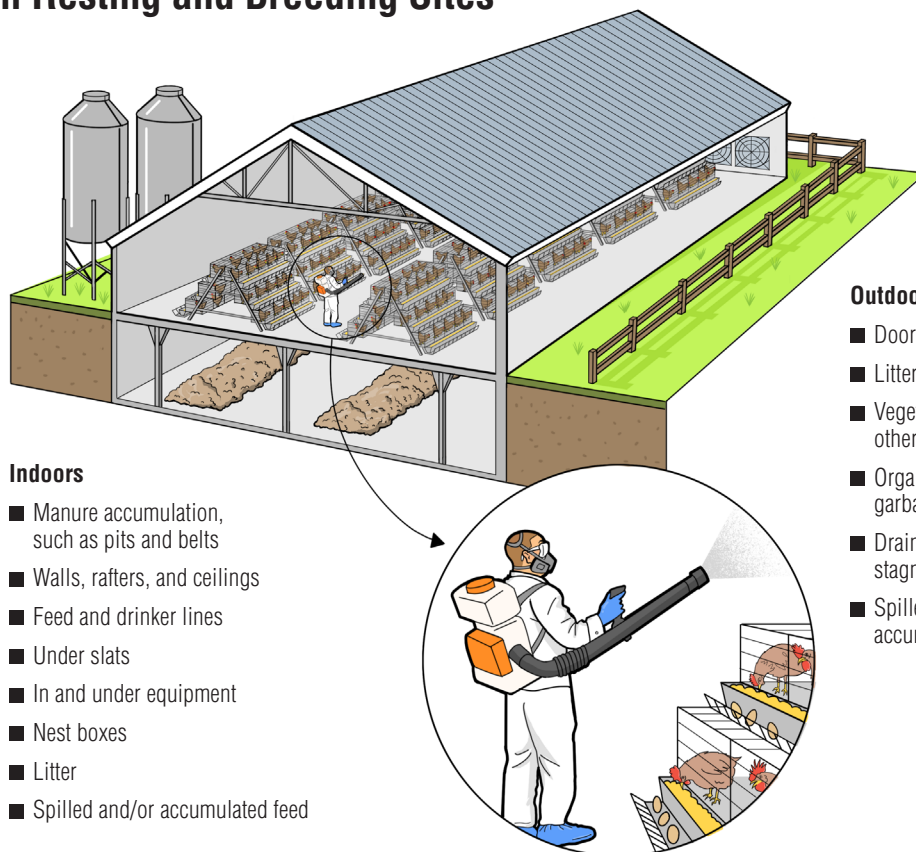
Example — A 500' x 60' barn with 15' ceilings has 450,000 cubic feet. The rate for NyGuard is 1ml per 1,000 cu ft, requiring 450ml (15.2fl oz) of product for the entire barn.

APPLICATION METHOD	EQUIPMENT	RATES	USE INSTRUCTIONS
ULV/Space Spray	Cold fogger, misting equipment	1 ml per 1,000 cu. ft. or dilute at the rate of 1ml of concentrate with 1 fl. oz. of water. When tank mixing, mix directly with fogging concentrate solution.	Direct application to areas where insects are known to rest or breed. After space spray, keep facility closed for 1 hour and thoroughly ventilate.
Surface Spray	Backpack or hand sprayer	4 ml per 1,500 sq. ft of surface area in sufficient volume of water to thoroughly wet the surface, but not to runoff. Use up to 12ml per 1,500 sq. ft for difficult to control populations.	Commonly used for spot, crack or crevice treatments around the premises with fan spray or pin stream.



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## Common Resting and Breeding Sites



### Indoors

- Manure accumulation, such as pits and belts
- Walls, rafters, and ceilings
- Feed and drinker lines
- Under slats
- In and under equipment
- Nest boxes
- Litter
- Spilled and/or accumulated feed

### Outdoors

- Doors/windows
- Litter sheds
- Vegetation, fence lines and other structures near animals
- Organic refuse and litter, garbage areas
- Drainage areas and/or stagnant water
- Spilled and/or accumulated feed

## How Often Should I Apply?

- Reapply every 30 days or when target insect populations return to economic threshold levels.
- We recommend applying NyGuard over bird in conjunction with your adulticide application schedule or as needed\* when target insect populations return to economic threshold levels.
- Surface applications, such as on manure pits, are also recommended as needed when target insect populations return to economic threshold levels.

## Tips and Tricks From the MGK Tech Services Team

- NyGuard applications are a proactive approach. Begin application early in the fly season to hinder reproduction of incoming adult flies and reduce the "bloom" of fly pressure.
- NyGuard may be tank mixed with an adulticide like ULD® BP-100 Contact Insecticide to achieve faster results.

*\*Always read and follow EPA approved label instructions.*

## Package Sizes Available

- 140 ml unit (10 per case)
- 480 ml unit (6 per case)
- 30 gallon drum



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