



specialty ingredients

Dipteracide[®] ADM Methoprene (IGR)



Horn flies cost the cattle industry upwards of **\$1 BILLION DOLLARS** annually due to lost production.*

The Pest

Horn flies, smallest of the cattle irritating fly specie, begin to emerge in the spring when the average daily temperature exceeds 65 degrees for a two-week period.

- Horn flies reproduce at tremendous rates. With no treatment program, two adult horn flies can produce over 3.3 million adult horn flies and over 11.1 million immature horn flies in only eight weeks.
- Each horn fly can bite and suck blood 20 to 40 times daily.
- **Left untreated, a few horn flies can quickly develop into 1,000 to 2,000 flies per animal; which equates to 80,000 bites per animal per day!**

The Damage

- **Bottom line:** Fighting biting horn flies reduces grazing time, which lowers gain and milk production cutting profitability!
- Milk loss due to inadequate horn fly protection in lactating dairy cattle is 10 - 20%.*
- Expected gain loss from ineffective horn fly control in growing cattle, over a 150-day grazing season is 0.25-0.50 lb daily or 37.5-75.0 lb over the season.

The Solution

The perfect choice for effective horn fly control for beef and dairy cattle is:

Dipteracide (ADM methoprene)

Methoprene is an Insect Growth Regulator (IGR), which helps break the lifecycle of horn flies by preventing the breeding of horn flies in the manure of treated cattle. *Why is methoprene the best way to reduce horn fly populations?*

- It offers the most cost-effective horn fly protection because it prevents immature horn flies from developing into profit robbing adults compared to control procedures targeted toward adult horn flies.
- It is a convenient and hassle-free feed-through product where the cow is the "applicator" through routine everyday feed practices. The ingested methoprene is deposited in the manure where it works to break the horn fly life cycle.
- Effective against organophosphate and pyrethroid resistant flies.
- It eliminates the expense of repeated gathering and handling of cattle for other fly control methods.

The Benefit

- **Growing cattle are expected to gain 0.25 - 0.50 lb daily due to horn fly control.***
- Better calf weaning weights.
- Eliminate milk production drop.

IGR Features

- Safe to use in beef and dairy cattle feeds.
- Does not require a withdrawal prior to milking or slaughter.
- Will not leach out of cattle manure and decomposes naturally.
- Effects only the horn fly and will not harm birds, reptiles, warm blooded animals, or other beneficial insects.
- There is no documented proof of horn fly resistance to methoprene.
- Feed-through products are convenient and hassle-free.

*United States Department of Agriculture.

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