

FEED-THROUGH FLY CONTROL PRODUCT COMPARISON

Three products are currently on the market for use in feed-through fly control that prevent eggs laid in “treated” manure from maturing into adult flies.

- Dipteracide® (S-methoprene; IGR)
- Rabon®* (an organophosphate)
- ClariFly®± (diflubenzuron; IGR)

The active ingredients in Dipteracide and ClariFly are in the same class of compounds – Insect Growth Regulators (IGR).

Dipteracide (S-methoprene):



Dipteracide contains S-methoprene and is labeled for horn flies; the most economically harmful cattle fly species. USDA estimates that horn flies can cost the cattle industry up to \$1 billion in lost production.

Methoprene works to prevent larvae (maggots) from developing into pupae, and/or pupae from developing into adults, so it is possible to see maggots, but they will not mature into adult flies. Horn and face flies lay eggs almost exclusively in fresh cow manure; whereas, other fly species are more varied in their egg laying substrates.

Methoprene has an extremely low risk of toxicity in animals and the environment. Methoprene decomposes naturally with manure with no effect on soils or plants. It affects only the horn fly and will not harm beneficial insects. Methoprene is not harmful to warm-blooded animals. The product is labeled for horn flies in beef and dairy cattle and has no meat or milk withholding.

Rabon (an organophosphate insecticide; tetrachlorvinphos)

Rabon is labeled for control of face, horn, stable and house flies in manure of beef and dairy cattle. This pesticide is highly toxic to fish.

ClariFly (diflubenzuron)

ClariFly contains diflubenzuron, an active ingredient that is a chitin inhibitor. When the fly pupae start

to form the exoskeleton, it actually never forms, and the larvae simply dry up and do not survive to adulthood. The product is labeled for beef and dairy cattle and calves to prevent house, horn, face and stable fly pupae development. Like Dipteracide, ClariFly has no meat or milk withholding.

To maximize the success of your fly control program, it is recommended that any feed-through products be part of the control program rather than the entire program and that all animals on the farm be treated. *None of these products control fly development in decomposing organic matter piles since the active ingredient is not deposited in organic matter, such as decaying vegetation or feed waste.* It's also suggested to start feeding the product(s) 30 days before flies appear, continuing until 30 days after the first killing frost.

Remember, the horn fly is still the biggest problem. The USDA estimates that the horn fly costs producers nearly \$1 billion in lost production each year. *Why choose ADM Dipteracide over the others? Generally, on a cost per animal per day, Dipteracide is 32% lower than ClariFly and Rabon.* Why pay more when Dipteracide can handle the billion dollar challenge facing your cattle this season?

*Rabon is a registered trademark of Bayer.

±ClariFly is a registered trademark of Wellmark International.

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