



Pertinent
eco-solutions

Methoprene IGR Feed-Thru Solutions For Horn Fly Control

The Problem: Horn Flies

- Number one economic ectoparasite in North American cattle production
- Cause an estimated \$1 billion loss annually.
- The life cycle of horn flies happens almost exclusively in cattle manure: the fly lays eggs in the manure that hatch into larvae in two days, molt into pupae in 3-8 days and into adults in 9-17 days. The adults live between 2-4 weeks.

The Solution: Pertinent IGR and Fly Control

Pertinent's Feed-Thru products are EPA registered for use in cattle feeds to prevent the breeding of horn flies in the manure of treated cattle. They contain (S)-methoprene, an Insect Growth Regulator (IGR), that effectively controls horn fly larvae.

We offer two concentrations -

- **Pertinent IGR 10.5% concentration:** A Manufacturing Use Product (MUP) specially designed for feed mill formulation into end-use products (Loose Mineral, Blocks, Tubs, Pre-Mix Concentrate). 20 lb pails.
- **Pertinent Fly Control, 0.4% Concentration:** For on-site, on-farm mixing. 7.5 lb bags.

How it Works

(S)-methoprene is an Insect Growth Regulator (IGR):

IGRs break the life cycle of insects by preventing eggs, larvae and pupae from maturing to the biting adult stage. When the cattle eat feed or lick a tub or block treated with (S)-methoprene, the IGR passes through the animal and into the manure, where horn flies lay their eggs. Pupae that are exposed to (S)-methoprene in the manure cannot develop into biting adult flies. Unlike ear tags and sprays, there's **no need to round up or handle cattle because the animals spread the active ingredient as they graze.**

Pertinent IGR 10.5% Feed-Thru is the same concentration as its main competitor but costs about 15% less.





15% OFF INITIAL
ORDERS

Incorporation Rates:

Pertinent IGR 10.5%

- If mineral supplements are provided at 4 ounces per day, incorporate 2 pounds of Pertinent IGR 10.5% Feed-Thru for every ton of mineral supplement.
- If mineral supplements are provided at 2 ounces per day, incorporate 4 pounds of Pertinent IGR 10.5% Feed-Thru for every ton of mineral supplement.

Pertinent Fly Control 0.4%

- The application rate for use of this product is 0.2 oz (0.0125 lb) to 0.4oz (0.025lb) per 100 lbs of body weight every 30 days.

-
- Unlike Ear Tags, Back Rubbers, and Sprays, there's no extra work rounding up or handling cattle.
 - No withdrawal times are required before culling or milking.
 - Very low resistance in nearly 50 years of use – a common problem for other horn fly control options such as ear tags when not administered properly.
-

Orders@PertinentEco.Com