

NEW RESISTANCE- BREAKING FLY CONTROL

Zyrox[®] Fly granular bait is the most attractive and longest lasting solution for the control of flies, delivering a cleaner and healthier environment for improved livestock production.

 **Zyrox[®] Fly**
Granular bait

syngenta[®]

Fly control unlike any other

Zyrox® Fly granular bait combines a novel chemistry for fly control with an attractive and easy to use formulation, to achieve reliable and effective results, first time — every time.

- New mode of action: The unique active ingredient can be used as a powerful tool in a resistance management strategy.
- Time-efficient: Zyrox Fly can fill up to twice as many bait stations, compared to other baits — to help save time and money.
- Attractive option: Zyrox Fly is formulated to be highly attractive to flies and ensure effective control, even at a low rate of use.

An advanced solution for fly control

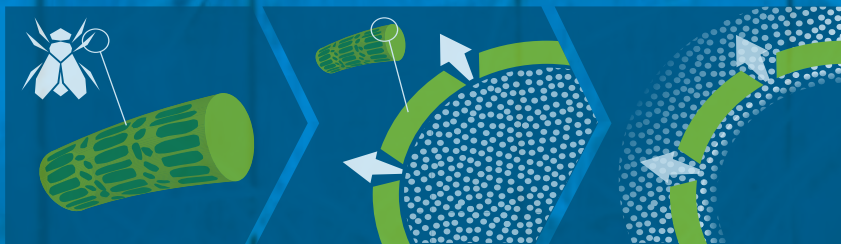
Flies create a major nuisance for customers' homes and businesses. Flies are also capable of transmitting many pathogens that threaten human and animal health.

Zyrox Fly granular bait is a crucial part of an integrated pest management strategy to ensure customers can live their lives uninterrupted by the nuisance and risk of flies, in cleaner and healthier environments.

Unique science stops fly activity

Zyrox Fly contains cyantraniliprole, an innovative active ingredient that disrupts muscle contraction in a fly. The fast speed of action paralyzes the fly and inhibits movement almost immediately after ingestion.

Fig 1. Zyrox Fly mode of action



Phase 1: Exposure
Flies ingest the active ingredient in Zyrox.

Phase 2: Activation
The product binds to the ryanodine receptors in the fly's muscles and causes them to open.

Phase 3: Paralysis and Death of Flies
Calcium flows out of the open ryanodine receptors, depleting calcium needed for muscle contraction. The resulting muscle paralysis leads to insect death.

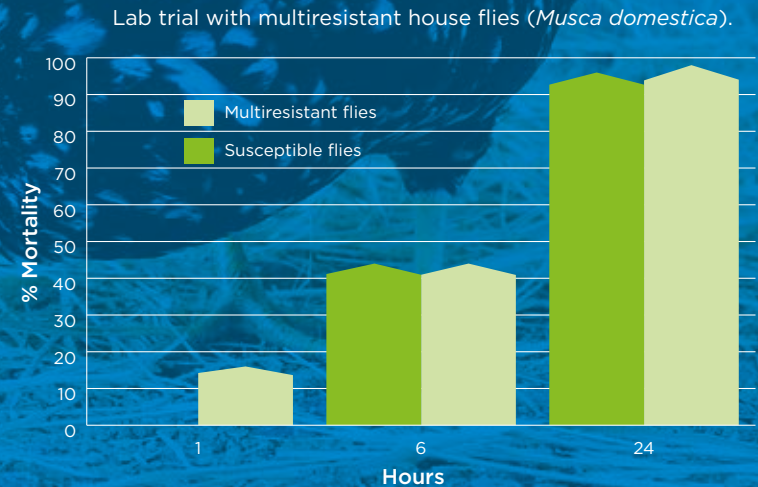
Resistance management and flexibility

The new active ingredient in Zyrox Fly is essential in overcoming well documented resistance issues in controlling House Flies.

This unique chemistry works differently to all the other insecticides commonly used in fly control. This means Zyrox Fly can now be used to effectively control multi-resistant flies (Fig. 2), including resistance to imidacloprid, thiamethoxam, methomyl, organophosphates and pyrethroids.

Zyrox Fly is essential as a rotational product in Integrated Pest Management (IPM) and Insect Resistance Management (IRM) programmes.

Fig 2. Trials have demonstrated that Zyrox Fly controlled house flies multiresistant to pyrethroids and organophosphates with *kdr*, *skdr* and metabolic resistance with the same high efficacy and quick results as susceptible flies.

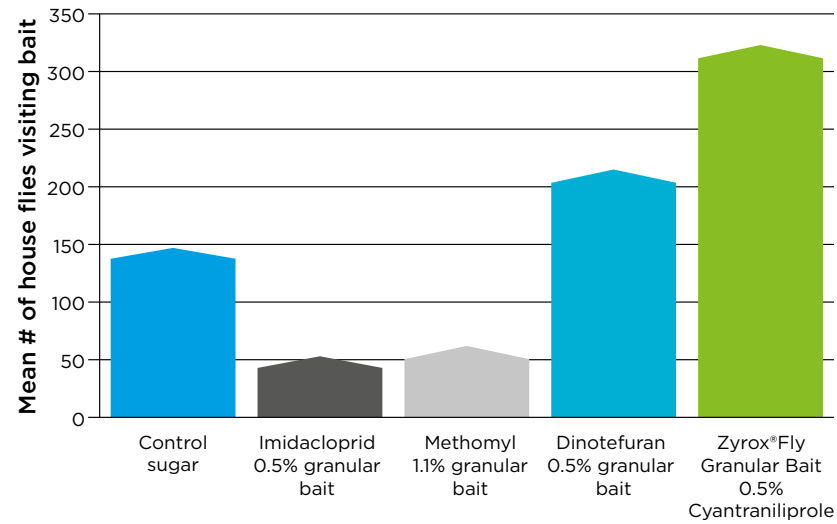


Formulated for results

Zyrox Fly is formulated as a highly palatable bait that will readily attract and control flies. It does not require a pheromone and avoids issues of bait aversion that can reduce the efficacy of some granular baits.

University trials have proven Zyrox Fly is up to six times more attractive than some other baits currently on the market (Fig.3).

Fig 3. On-farm trials in the US have shown that Zyrox Fly is significantly more attractive than other leading fly baits.

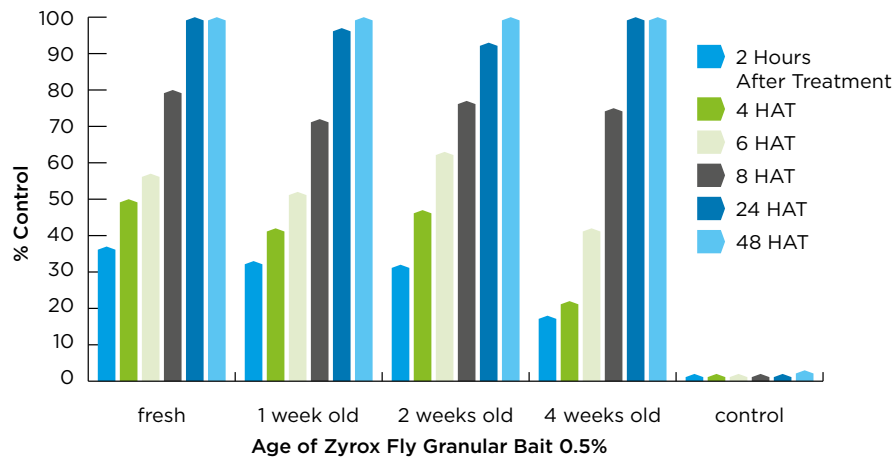


Efficient bait use

The purpose-designed formulation of Zyrox Fly creates a high surface area of granules for effective fly contact at low rates of use — making more efficient use of operators' time and costs.

Furthermore, Zyrox Fly remains highly palatable for many weeks after bait placement. After four weeks exposed to environmental conditions, Zyrox still maintained 100% control of flies within 24 hours of treatment.

Zyrox Fly remains highly palatable over time.



Zyrox Fly has proven highly effective against other species, including the hard to control little house fly (*Fannia canicularis*) that is a particular problem in poultry livestock housing.

Top tips for best results with Zyrox Fly

- ▶ Place bait in areas where flies congregate, including windows and wall tops
- ▶ Replenish bait regularly until nuisance flies have ceased
- ▶ Zyrox Fly granules can be stuck onto card backing, for hanging in difficult areas
- ▶ Monitor fly populations to target appropriate species; blood sucking flies are not attracted to baits
- ▶ Zyrox Fly can be used in conjunction with wall sprays for a fully integrated approach and long-term resistance management

Flexible application for maximum control

Zyrox Fly has been approved for use both indoors (in a bait station) and outdoors in the most common areas where nuisance flies cause disruption, or risk the transfer of illness or disease:

- Farms & livestock production
- Homes
- Restaurants
- Food processing facilities
- Retail premises
- Business properties
- Industrial factories
- Refuse operations

Unique new mode of
action for improved
resistance management

Highly attractive to flies

Healthier livestock

Fills more bait stations
than the competition



FOR LIFE UNINTERRUPTED™



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