



Livestock Premix 0.04%

- A PREMIX CONTAINING DIFLUBENZURON INSECT GROWTH REGULATOR FOR INCLUSION IN RATIONS TO PREVENT THE EMERGENCE OF HOUSE FLIES, STABLE FLIES, FACE FLIES, HORN FLIES FROM THE MANURE OF TREATED CATTLE, HORSES AND SWINE

SPECIMEN LABEL

ACTIVE INGREDIENT

Diflubenzuron* (CAS # 35367-38-5) 0.04%

OTHER INGREDIENTS 99.96%

TOTAL 100.00%

*Contains 181.6 milligrams of diflubenzuron/lb

EPA Reg. No. 89459-3

EPA Est. Nos. See container for reference

KEEP OUT OF REACH OF CHILDREN
CAUTION
SEE ADDITIONAL PRECAUTIONARY STATEMENTS

PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS – CAUTION:

Harmful if absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers of this product must wear:

- Long sleeve shirt and long pants
- Chemical resistant gloves
- Shoes
- Socks

FIRST AID

If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 – 20 minutes. • Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call 1-800-347-8272, 24 hours per day, 7 days per week.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

FEEDING AND MANAGEMENT INSTRUCTIONS

When used as directed, ClariFly® Larvicide Livestock Premix 0.04% provides sufficient diflubenzuron insect growth regulator to prevent the emergence of adult House flies (*Musca domestica*), Stable flies (*Stomoxys calcitrans*), Face flies (*Musca autumnalis*), and Horn flies (*Haematobia irritans*) from manure of treated cattle, horses and swine. Existing adult flies will not be affected. Start feeding before flies appear and continue use until cold weather marks the end of the fly season. Use ClariFly® Larvicide

Livestock Premix 0.04% as part of an integrated pest management program aimed at reducing fly populations. House and stable flies can breed and develop in decaying vegetable matter or spilled silage on premises in the cattle's, horse's and swine's environment. Good sanitation practices, such as cleaning up spilled feed and preventing manure build-up around barns and fences or under feed bunks, will eliminate additional breeding sites for these flies.

FEEDING DIRECTIONS FOR CONFINED BEEF AND DAIRY CATTLE

Mix ClariFly® Larvicide Livestock Premix 0.04% with the ration to provide 0.1 mg diflubenzuron/kg of body weight. Use the following equation to determine the exact amount of this product needed per ton of ration.

$$\text{Pounds of ClariFly® Larvicide Livestock Premix 0.04\% required per ton of ration} = \frac{\text{Weight (lbs)} \times 0.5}{\text{Consumption (lbs/day)}}$$

1. Assure cattle are provided this product on a daily basis.
2. Introduction of this product after an adult fly infestation is established will require treatment of cattle with adulticides or use of insecticidal baits and traps if elimination of the adult fly population is desired.

FEEDING DIRECTIONS FOR EQUINE

Mix ClariFly® Larvicide Livestock Premix 0.04% with the ration to provide 0.15 mg diflubenzuron/kg of animal body weight. Use the following equation to determine the exact amount of this product needed per ton of ration.

$$\text{Pounds of ClariFly® Larvicide Livestock Premix 0.04\% required per ton of ration} = \frac{\text{Weight (lbs)} \times 0.75}{\text{Consumption (lbs/day)}}$$

FEEDING DIRECTIONS FOR SWINE

Mix ClariFly® Larvicide Livestock Premix 0.04% with the ration to provide 0.2 mg diflubenzuron/kg of animal body weight to 0.3 mg diflubenzuron/kg of body weight. Use the higher inclusion rate for lighter weight pigs.

Use the following equation when calculating inclusion level based on a **0.20 mg/kg dosage**:

$$\text{Pounds of ClariFly® Larvicide Livestock Premix 0.04\% required per ton of ration} = \frac{\text{Weight (lbs)} \times 1}{\text{Consumption (lbs/day)}}$$

Use the following equation when calculating inclusion level based on a **0.30 mg/kg dosage**:

$$\text{Pounds of ClariFly® Larvicide Livestock Premix 0.04\% required per ton of ration} = \frac{\text{Weight (lbs)} \times 1.5}{\text{Consumption (lbs/day)}}$$

1. Assure swine are provided this product on a daily basis.
2. Introduction of this product after an adult fly infestation is established will require treatment of swine with adulticides or use of insecticidal baits and traps if elimination of the adult fly population is desired.

STORAGE AND DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. **PESTICIDE STORAGE:** Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this pesticide may be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Completely empty bag into mixing equipment, then offer for recycling, if available or dispose of empty bag in a sanitary landfill or by other procedures approved by state and local authorities.

CONDITIONS OF WARRANTY AND LIMITATION OF LIABILITY: Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Central Garden & Pet Company. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Central Garden & Pet Company makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Central Garden & Pet Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Central Garden & Pet Company disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contact, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Central Garden & Pet Company's election, the replacement of product.

IPM

INTERGRATED PEST MANAGEMENT

PLANNING	IMPLEMENTATION	EVALUATION
• Forecasting	• Sanitation	• Inspection
• Education	• Exclusion	• Critique
• Identification	• Monitor/Reassessing	• Learn
• Training	• Physical Controls	• Documentation

IMPLEMENT THE OPTIMUM IPM

House flies, stable flies, face flies and horn flies are pervasive and resilient pests. Make the most of your control efforts by incorporating an integrated pest management program (IPM) with ClariFly® Larvicide Livestock Premix 0.04% (ClariFly® Premix 0.04%). The ideal program will hit flies where they breed, and can help reduce populations to manageable levels.

IPM PROGRAM OVERVIEW

PLANNING

- Assess your operation and find the fly hot spots.
- Establish a plan to minimize pest damage by the most economical means, utilizing various control measures.
- Set an action threshold, a point at which pest populations or environmental conditions indicate that pest control action must be taken.
- Train other employees on the plan.

IMPLEMENTATION

Sanitation Control

- Keep buildings in good repair and your grounds free of debris where flies can breed.
- Keep animal areas as clean and dry as possible. Flies lay their eggs in manure, decaying silage, spilled feed, and soiled bedding.
- Calf hutches and other temporary housing that are clean, well ventilated, and relocated with regularity will address a major breeding area for flies.
- Keep feed storage areas, bunks, and water troughs in good repair, clean, and as dry as possible.
- Keep grass and weeds around barns, feeders, hutches, and manure piles cut low. Overgrown areas provide an ideal resting and breeding ground for flies.

Non-Insecticidal Controls

- The Starbar® line of sticky/jug traps can be used for controlling adult flies and are ideal for keeping track of control efforts.
- Traps are good for areas where conventional chemical control is out of the question such as milking parlors and feeding areas.

Traditional Chemical Controls

- Scatter baits from Starbar such as QuikStrike® and Golden Malrin® Scatter Baits are a form of chemical control that can be used in rotation to fight fly resistance. Scatter baits can be used in a variety of locations (consult labels) around the operation. However, keep away from animals and children.

IGR Larvicide Controls

- Incorporate an IGR larvicide into all cattle, horse and swine feed.

EVALUATION

- Keep track of fly populations with speck cards as well as non-insecticidal jug and sticky traps.
- Document your progress with a concise record of locations, conditions, and action taken.
- Rotate traditional chemical control products to fight fly resistance.

No one aspect of an IPM will eliminate flies. Incorporation of all these steps into one program is key. ClariFly® Premix 0.04% is an important component to help control fly populations in a successful IPM program on your operation. For more information about ClariFly® Larvicide, call 1-800-347-8272 or visit centralflycontrol.com. For more information about Starbar® products, visit starbarproducts.com.

Manufactured for:

Central Garden & Pet Company

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