



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

September 8, 2015

Ms. Nancy Huebl  
Senior Registration Specialist  
Central Garden & Pet Company  
1501 East Woodfield Road, Suite 200W  
Schaumburg, IL 60173-5417

Subject: Label Amendment – Addition of IPM Language  
Product Name: RMI-2011-C 0.67% Diflubenzuron Cattle Supplement  
EPA Registration Number: 89459-2  
Application Date: July 10, 2015  
Decision Number: 507241

Dear Ms. Huebl:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Carmen J. Rodia, Jr. by phone at (703) 306-0327, or via email at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Gebken", written in a cursive style.

Richard Gebken  
Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Office of Pesticide Programs

Enclosure

[ ] and ( ) optional language

**RMI-2011-C**  
**0.67% DIFLUBENZURON CATTLE SUPPLEMENT**

Alternate brand name: ClariFly® Larvicide Livestock Premix 0.67%

**FOR CONTROL OF FLIES DEVELOPING IN THE MANURE OF CATTLE**

[Prevents the development of Horn flies, Face flies, House flies and Stable flies in the manure of treated cattle (lactating and non-lactating beef and dairy cows, slaughter, stocker and feeder cattle and calves including veal calves)]

A pesticially active feed concentrate for cattle (lactating and non-lactating beef and dairy cows, slaughter, stocker and feeder cattle and calves including veal calves) containing diflubenzuron [Insect Growth Regulator (IGR) for continuous feeding during the fly season]

[(Daily) feed concentrate for (beef and dairy) (cattle) containing (diflubenzuron)(brand name) Insect Growth Regulator (IGR) for continuous feeding during the fly season]

[(Fly larvicide)(fly control) (for beef and dairy cattle)]

[(Stops)(Prevents) (growth) (development) of Horn fly, Face fly, House fly and Stable fly larvae in manure (of)(from) treated beef and dairy cattle (lactating and non-lactating beef and dairy cows, slaughter, stocker and feeder cattle and calves including veal calves)]

[(Stops)(prevents) development of Horn fly, Face fly, House fly, and Stable fly larvae in manure (of)(from) treated beef and dairy cattle]

[(Stops)(prevents) emergence of adult Horn flies, Face flies, House flies, and Stable flies from manure (of)(from) treated beef and dairy cattle]

[Contains (diflubenzuron)(Insect Growth Regulator)(IGR)(chitin synthesis inhibitor)]

[Breaks the (fly)(flies') life cycle]

[Prevents the (formation)(synthesis) of (chitin) fly larvae's exoskeletons (when they molt)(resulting in their death)]

[(Can be used as) part of a/an (integrated)(total)(complete) fly control (pest management) program]

**ACTIVE INGREDIENT (% by weight):**

Diflubenzuron\* (CAS# 35367-38-5) ..... 0.67%

**OTHER INGREDIENTS** [\*\*] ..... 99.33%

**TOTAL** ..... 100.00%

\*contains 3.04 grams of diflubenzuron per pound.

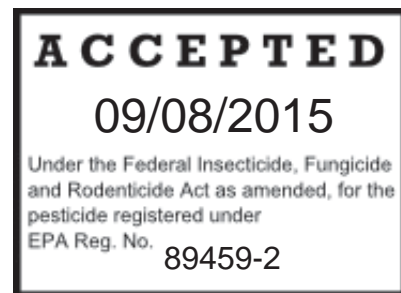
[\*\* Refers only to ingredients which are not larvicidal. ]

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

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EPA Est. No.

NET WT: xx lbs. (xx kg.)



[ ] and ( ) optional language

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

<b>FIRST AID</b>	
If in eyes	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li><li>• Call poison control center or doctor for treatment advice.</li></ul>
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.	

**PERSONAL PROTECTIVE EQUIPMENT:** Mixers and other handlers must wear long-sleeved shirt and pants, shoes plus socks, and chemical resistant gloves made of nitrile rubber, barrier laminate, neoprene rubber or viton ≥ 14 mils. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic invertebrates. Do not contaminate water when disposing of equipment washwaters.

**USE INFORMATION**

[(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] is intended for blending into (beef and dairy) cattle (lactating and non lactating beef and dairy cows, slaughter, stocker and feeder cattle and calves including veal calves) rations to control horn flies, face flies, house flies, and stable flies which develop in cattle manure. This product prevents emergence of adult flies from the manure of the treated cattle. Use [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] only in (beef and dairy) cattle supplements.

Use [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement) (ClariFly® Larvicide Livestock Premix 0.67%) (this product)] as part of a(n) [integrated][pest][fly][control] [management] program aimed at reducing fly populations in the cattle's environment. Consult your [veterinarian][or][retailer] for program recommendations. In order to achieve optimum fly control, use [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] in conjunction with [other][brand name] premise and on-animal products as well as good management and sanitation practices.

**DIRECTIONS FOR USE**

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

[ ] and ( ) optional language

[(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] contains diflubenzuron, [an][insect growth regulator][IGR] which prevents the development of horn flies, face flies, house flies, and stable flies in the manure of treated beef and dairy cattle, but is not effective against existing adult flies. Start feeding [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] early in the spring (3-4 weeks)(30 days)(1 month) before flies begin to appear, and continue feeding throughout the summer and into the fall until cold weather (restricts)(stops)(ends) fly activity. In some cases, supplemental fly control measures may be needed in and around pastures, barns, and feedlots to control adult house and stable flies which can breed in other decaying [(organic)(vegetable)] matter or silage in the area, or that migrate in from other locations.

The dosage of [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] is proportional to the animal's body weight. The required feeding rate of [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] is [0.72 oz (0.04 lb) per 100 lbs of body weight per month (30 days)][0.10 mg diflubenzuron/kg of body weight) (4.54 mg diflubenzuron/100 lbs. of body weight)] per day]. The product can be fed by any of the following methods.

#### **[MIXED WITH FREE-CHOICE MINERALS**

Mix [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] with free-choice-fed minerals to produce a [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] and mineral mixture as shown in the table below<sup>1</sup>.

#### **4 OZ. PER DAY FEEDING RATE**

<b>RMI-2011-C 0.67% Diflubenzuron Cattle Supplement</b>	13	lbs	6.10%
<b>Free-Choice Minerals</b>	200	lbs	93.90%
<b>Total</b>	213	lbs	100.00%

#### **2 OZ. PER DAY FEEDING RATE**

<b>RMI -2011-C 0.67% Diflubenzuron Cattle Supplement</b>	13.5	lbs	11.89%
<b>Free-Choice Minerals</b>	100.0	lbs	88.11%
<b>Total</b>	113.5	lbs	100.00%

<sup>1</sup>These calculations are based on a 1,000 pound animal.

Place the [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] + mineral mixture in feeders close to water sources and/or resting areas. Use one feeder for each 15 to 20 head. Fill the feeders with no more than a 5 to 7 day supply of the mixture at one time, and protect the mixture from rain.]

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**MIXED-RATION FEEDING**

Use the table below as a guide for mixing [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] with grain or a feed supplement.

Body Weight (lbs.)	Feed Intake as a % body wt.	Feed Intake (lbs. /head /day)	RMI -2011-C 0.67% Diflubenzuron Cattle Supplement	
			[(oz./ton)]	[(lbs./ton)]
100-200	See table below: "For Formulating Calf Starters (and Milk Replacers)			
250	1.50%	3.75	[31.9]	[2.0]
500	1.50%	7.50	[31.9]	[2.0]
750	1.50%	11.25	[31.9]	[2.0]
1000	1.50%	15.00	[31.9]	[2.0]
1500	1.50%	22.50	[31.9]	[2.0]
250	2.00%	5.00	[23.9]	[1.5]
500	2.00%	10.00	[23.9]	[1.5]
750	2.00%	15.00	[23.9]	[1.5]
1000	2.00%	20.00	[23.9]	[1.5]
1250	2.00%	25.00	[23.9]	[1.5]
250	2.50%	6.25	[19.1]	[1.2]
500	2.50%	12.50	[19.1]	[1.2]
750	2.50%	18.75	[19.1]	[1.2]
1000	2.50%	25.00	[19.1]	[1.2]
1500	2.50%	37.50	[19.1]	[1.2]
250	3.00%	7.50	[15.9]	[1.0]
500	3.00%	15.00	[15.9]	[1.0]
750	3.00%	22.50	[15.9]	[1.0]
1000	3.00%	30.00	[15.9]	[1.0]
1250	3.00%	37.50	[15.9]	[1.0]

$$\text{Inclusion of RMI-2011-C} = \text{Supplement (lbs/ton)} = \frac{\text{Body Weight (lbs)}}{100} \times \frac{\text{Average Daily Feed Intake (lb)}}{3}$$

[ ] and ( ) optional language

Thoroughly mix [(RMI-2011-C 0.67% Diflubenzuron Cattle Supplement)(ClariFly® Larvicide Livestock Premix 0.67%)(this product)] with grain or a feed supplement. The mixing and feeding rates in the above table will provide the required daily intake of [(0.10 mg diflubenzuron/kg of body weight)(4.54 mg diflubenzuron/100 lbs. of body weight)] per day.

### FOR FORMULATING CALF STARTERS (AND MILK REPLACERS)

For formulating calf starters [and milk replacers] to be fed to calves weighing between 100 and 200 pounds, use the following table:

CALF WEIGHT	FEED INTAKE lbs/head/day	INCLUSION RATE	
		lbs of (Brand name)/ton	g of Diflubenzuron/ton
100 – 150 lbs	1.0 – 1.4	4.5	13.6
100 – 170 lbs	1.5 – 1.7	3.6	10.9
100 – 200 lbs	≥1.8	3.0	9.1

### 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. Do not contaminate with pesticides or fertilizer.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product 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 by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into mixing equipment. Then offer for recycling, if available, or dispose of bag in a sanitary landfill or by other procedures approved by state and local authorities. .

### WARRANTY AND LIMITATION OF DAMAGES

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. To the extent consistent with applicable law, Seller makes no other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so except in writing and with specific reference to this warranty. In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which claim is made.

Central Garden & Pet Company  
1501 East Woodfield Road 200W  
Schaumburg, Illinois 60173  
Made in USA.

[ ] and ( ) optional language



## 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 (Brand name)(this product). 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 feed.



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## **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. (Brand name)(this product) is an important component to help control fly populations in a successful IPM program on your operation. For more information about (brand name)(this product), call 1-800-XXX-XXXX or visit [URL]. For more information about Starbar® products, visit [starbarproducts.com](http://starbarproducts.com)