

2724-794

04/04/2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Ms. Nancy Huebl
Wellmark International
1501 East Woodfield Rd., Suite 200W
Schaumburg, IL 60173

APR 04 2011

Dear Ms. Huebl:

Subject: Labeling Amendment to WMI 0.67% Diflubenzuron Cattle Supplement
EPA Registration No. 2724-794
Submission Date: February 3, 2011

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable with the following comment:

1. Please revise the statement located under "Biorational Controls" to read "Incorporate ClariFly[®] Premix or other similar pre-mix product into all cattle feed."

A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself. (This information can be added by non-notification/PR Notice 98-10). 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(e).

If you have any questions regarding this label, please contact Jennifer Gaines at (703) 305-5967, or by email at gaines.jennifer@epa.gov.

Sincerely yours,

A handwritten signature in cursive script that reads "Venus Eagle".

Venus Eagle
Product Manager (01)
Insecticide-Rodenticide Branch
Registration Division (7505P)

ACCEPTED
with COMMENTS
In EPA Letter Dated
APR 04 2011
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
2724-794

Clarifly® 0.67% Premix

LARVICIDE

Supplemental Labeling

This supplemental label expires on April 4, 2014 and must not be used or distributed after this date.

For use when formulating calf starters to be fed to calves weighing between 100 and 200 lbs.

EPA Reg. No. 2724-794

DIRECTIONS FOR USE

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

Read the label affixed to the container for **Clarifly® Larvicide 0.67% Premix** before using.

Important

Use of **Clarifly® Larvicide 0.67% Premix** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Clarifly® Larvicide 0.67% Premix**.

Feed Mixing Directions for Calves Weighing Between 100 and 200 Pounds			
Use the following table when formulating calf starters to be fed to calves weighing between 100 and 200 pounds:			
INCLUSION RATE			
CALF WEIGHT	FEED INTAKE lb/head/day	Lb of Clarifly® LARVICIDE 0.67% Premix/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

For information or in case of emergency, contact 1-800-347-8272.

www.centralflycontrol.com

Registrant:

Wellmark International
1501 East Woodfield Road 200W
Schaumburg, Illinois 60173

This labeling must be in the possession of the user at the time of application.

ACCEPTED
with COMMENTS
In EPA Letter dated
APR 04 2011

Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under EPA Reg. No.
2724-794

[] and () optional language

WMI 0.67% DIFLUBENZURON CATTLE SUPPLEMENT

Alternate brand name: ClariFly® Larvicide 0.67% Premix

[[For use only in the State(s) of _____]]

[[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 pesticidally 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) (Dimilin®)]]

[[Insect Growth Regulator (IGR) for continuous feeding during the fly season]]

[[Daily feed concentrate for (beef and dairy) cattle containing (Dimilin®)(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)(Dimilin®)(brand name)(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 (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.]

EPA Reg No. 2724-794

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

NET WT: xx lbs. (xx kg.)

[] and () optional language

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Wear protective eyewear. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Wear long-sleeved shirt and long pants, socks, shoes, and gloves.

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 poison control center or doctor for treatment advice.
Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Wellmark International EMERGENCY PHONE: XXX-XXX-XXXX	

PERSONAL PROTECTIVE EQUIPMENT: Mixers and other handlers must wear long-sleeved shirt and pants, shoes plus socks, and chemical resistant gloves (nitrile rubber, barrier laminate, neoprene rubber or viton). 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 aquatic invertebrates. Do not contaminate water when disposing of equipment washwaters.

USE INFORMATION

[(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(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 [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] only in (beef and dairy) cattle supplements.

Use [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(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 [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] in conjunction with [other][Farnam][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

[(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] contains [(Dimilin®)(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 [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(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 [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] is proportional to the animal's body weight. The required feeding rate of [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(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 [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] with free-choice-fed minerals to produce a [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] and mineral mixture as shown in the table below¹.

4 OZ. PER DAY FEEDING RATE

WMI 0.67% Diflubenzuron Cattle Supplement	13 lbs	6.10%
Free-Choice Minerals	200 lbs	93.90%
Total	213 lbs	100.00%

2 OZ. PER DAY FEEDING RATE

WMI 0.67% Diflubenzuron Cattle Supplement	13.5 lbs	11.89%
Free-Choice Minerals	100.0 lbs	88.11%
Total	113.5 lbs	100.00%

1. These calculations are based on a 1,000 pound animal.

Place the [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(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.

[] and () optional language

MIXED-RATION FEEDING

Use the table below as a guide for mixing [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] with grain or a feed supplement.

Body Weight (lbs.)	Feed Intake as a % body wt.	Feed Intake (lbs. /head /day)	WMI 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]

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[] and () optional language

$$\frac{\text{Inclusion of WMI 0.67\% Diflubenzuron Cattle Supplement (lbs/ton)}}{\frac{\text{Body Weight (lbs)}}{100}} \times 3 = \text{Average Daily Feed Intake (lb)}$$

Thoroughly mix [(WMI 0.67% Diflubenzuron Cattle Supplement)(brand name)(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 lb/head/day	INCLUSION RATE	
		lb 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: Store in a cool, dry place. 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 incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

Wellmark International
 1501 East Woodfield Road 200 W
 Schaumburg, IL 60173
 [URL]

IPM

INTEGRATED PEST MANAGEMENT



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 0.67% Premix (ClariFly® Premix). 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 cattle areas as clean and dry as possible. Flies lay their eggs in manure, decaying silage, spilled feed, and soiled bedding.
 - Calf hutches 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 or other similar 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 or other similar 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.
- Biorational Controls
 - Incorporate ClariFly® Premix into all cattle 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® Larvicide 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.