

87931-7

8/6/2012

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:

Date of Issuance:

87931-7

Term of Issuance:

Unconditional

NOTICE OF PESTICIDE:

- Registration
  - Reregistration
- (under FIFRA, as amended)

Name of Pesticide Product:

RMI-2011-C 0.67% Diflubenzuron  
Cattle Supplement

Name and Address of Registrant (include ZIP Code):

Iain Weatherston, Ph.D.  
J&T Associates LLC  
4061 N. 156<sup>th</sup> Drive  
Goodyear, AZ 85395

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA sec. 3(c)5 provided that you:

1. Submit and/or cite all data required for registration/registration of your product when the Agency requires all registrants of similar products to submit such data.
2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 87931-7."

Signature of Approving Official:

John Hebert  
Product Manager 07  
Insecticide-Rodenticide Branch  
Registration Division (7504P)

Date:

AUG 06 2012

3. Within eighteen months, date of this registration, submit to the Agency the required one year storage ability study (830.6317) and corrosion characteristic (830.6320) for the proposed product under warehouse conditions. It is required that the observations be made at 0, 3, 6, 9, and 12 month intervals. The results must be submitted to the Agency in electronic and hard copy format.
4. Submit one copy of the revised final printed label for the record before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFR section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSF:

- Basic CSF dated 05/21/12

If you have any questions, please contact Dani Daniel at 703 305-5409 or [daniel.dani@epa.gov](mailto:daniel.dani@epa.gov).

John Hebert  
Product Manager 07  
Insecticide-Rodenticide Branch  
Registration Division (7505P)

Enclosure

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[ ] and ( ) optional language

**RMI-2011-C**  
**0 67% DIFLUBENZURON CATTLE SUPPLEMENT**  
**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 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

[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)(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 ]

ACCEPTED

AUG 06 2012

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg No 87931-7

EPA Est No

87931-7

EPA Reg No  
**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

NET WT xx lbs (xx kg)

[ ] and ( ) optional label

**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.

<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>
<p>Emergency Assistance: Have the product container or label with you when calling a poison control center or doctor or going for treatment.</p> <p>EMERGENCY PHONE: XXX XXX XXXX</p>	

**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 to aquatic invertebrates. Do not contaminate water when disposing of equipment washwaters.

**USE INFORMATION**

[(RMI 2011 C)(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 [(RMI 2011 C)(0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] only in (beef and dairy) cattle supplements.

Use [(RMI 2011 C)(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 [(RMI 2011 C)(0.67% Diflubenzuron Cattle Supplement)(brand name)(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)(brand name)(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)(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 [(RMI-2011-C)( 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] is proportional to the animal's body weight. The required feeding rate of [(RMI-2011-C)( 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 [(RMI-2011-C)( 0.67% Diflubenzuron Cattle Supplement)(brand name)(this product)] with free-choice-fed minerals to produce a [(RMI-2011-C)( 0.67% Diflubenzuron Cattle Supplement)(brand name)(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)(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 [(RMI-2011-C)(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)	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]

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

Thoroughly mix [(RMI-2011-C) (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.

[ ] and ( ) optional language

### 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.

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Made in USA