



LIVESTOCK PREMIX 0.67%

- Prevents the development of house flies, stable flies, horn flies, and face flies in the manure of treated Beef and Dairy Cattle (including calves), Horses and Swine
- Prevents the development of house flies and stable flies in the manure of treated Sheep and Goats

SPECIMEN LABEL

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.

EPA Reg. No. 89459-2
EPA Est. Nos. 91519-SD-001

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.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

ENVIRONMENTAL HAZARDS

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS – 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.

FIRST AID

If in eyes • 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.

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.

PRODUCT INFORMATION

ClariFly[®] Larvicide Livestock Premix 0.67% is intended for blending into feeds or supplements for beef and dairy cattle, horses, swine, sheep, and goats rations to control listed fly species. This product prevents emergence of listed adult flies from the manure of the treated cattle, horses, swine, sheep, and goats. Use this product only in beef and dairy cattle, horses, swine, sheep, and goats supplements/rations.

Use **ClariFly[®] Larvicide Livestock Premix 0.67%** as part of an integrated pest management program aimed at reducing fly populations in treated cattle, horses, swine, sheep, and goats’ environment. Consult your veterinarian or retailer for program recommendations. In order to achieve optimum fly control, use this product in conjunction with Starbar[®] 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.

ClariFly® Larvicide Livestock Premix 0.67% 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, horses, and swine, but is not effective against existing adult flies. **ClariFly® Larvicide Livestock Premix 0.67%** contains diflubenzuron, an insect growth regulator (IGR) which prevents the development of house flies and stable flies in the manure of treated sheep and goats, but is not effective against existing adult flies. Start feeding **ClariFly® Larvicide Livestock Premix 0.67%** early in the spring 30 days before listed flies begin to appear, and continue feeding throughout the summer and into the fall until cold weather ends fly activity. In some cases, supplemental fly control measures may be needed in and around pastures, barns, feedlots, pens, and facilities to control adult house and stable flies which can breed in other decaying organic matter or silage in the area, or that migrate in from other locations.

The dosage of **ClariFly® Larvicide Livestock Premix 0.67%** is proportional to the animal's body weight and must be offered daily throughout the entire fly season. The following table provides the feeding rate for all approved species.

Species	Daily Feeding Rate of DFB AI	
	mg/kg	mg/cwt
Cattle - This product may be fed to beef and dairy cattle, including breeding cattle, lactating dairy cattle, growing and finishing cattle and calves, either in dry lot or on pasture up to slaughter and to lactating dairy cows without withholding milk from market during or after treatment.	0.10	4.55
Horses - This product may be fed to horses including ponies, burros, and donkeys.	0.15	6.82
Swine - This product may be fed to swine including nursery, grow-finish, and breeding stock (excluding limit fed gestating sows) with no withdrawal period. Use the higher inclusion rate for lighter weight pigs.	0.20 – 0.30	9.10 – 13.64
Limit Fed Gestating Swine - This product may be fed to limit fed gestating sows with no withdrawal period.	0.10	4.55
Sheep and Goats - This product may be fed to sheep and goats with no withdrawal period.	0.40	18.18

CATTLE MIXING DIRECTIONS

MIXED WITH FREE-CHOICE MINERALS: Mix **ClariFly® Larvicide Livestock Premix 0.67%** with free-choice-fed minerals to produce a product and mineral mixture as

shown in the table below¹.

4 OZ PER DAY FEEDING RATE		
ClariFly® Larvicide Livestock Premix 0.67%	3.25 lb	6.10%
Free-Choice Minerals	50 lb	93.90%
Total	53.25 lb	100.00%
2 OZ PER DAY FEEDING RATE		
ClariFly® Larvicide Livestock Premix 0.67%	13.5 lb	11.89%
Free-Choice Minerals	100.0 lb	88.11%
Total	113.5 lb	100.00%

¹These calculations are based on a 1,000 pound animal. Place the product plus 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.

MIXED-RATION FEEDING: Use the table below as a guide for mixing **ClariFly® Larvicide Livestock Premix 0.67%** with grain or a feed supplement.

Body Weight (lb)	Feed Intake as a % body wt.	Feed Intake (lb / head / day)	ClariFly® Larvicide Livestock Premix 0.67% lb/ton
100-200	See table: "For Formulating Calf Starters (and Milk Replacers)"		
250	1.50%	3.75	2.0
500	1.50%	7.50	2.0
750	1.50%	11.25	2.0
1000	1.50%	15.00	2.0
1500	1.50%	22.50	2.0
250	2.00%	5.00	1.5
500	2.00%	10.00	1.5
750	2.00%	15.00	1.5
1000	2.00%	20.00	1.5
1250	2.00%	25.00	1.5
250	2.50%	6.25	1.2
500	2.50%	12.50	1.2
750	2.50%	18.75	1.2
1000	2.50%	25.00	1.2
1500	2.50%	37.50	1.2
250	3.00%	7.50	1.0
500	3.00%	15.00	1.0
750	3.00%	22.50	1.0
1000	3.00%	30.00	1.0
1250	3.00%	37.50	1.0

$$\text{Inclusion of ClariFly® Larvicide Livestock Premix 0.67\% (lb/ton)} = \frac{\text{Body Weight (lb)}}{100} \times 3$$

Average Daily Feed Intake (lb)

Thoroughly mix this product with grain or a feed supplement. The mixing and feeding rates in the above table will provide

the required daily intake of 4.54 mg diflubenzuron/100 lb 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 50 and 200 pounds, use the following table:

CALF WEIGHT	FEED INTAKE lb/head/day	INCLUSION RATE	
		lb of ClariFly® Larvicide Livestock Premix 0.67%/ton	g of Diflubenzuron/ton
50 – 99 lb	1.0 – 1.4	3.0	9.1
100 – 150 lb	1.0 – 1.4	4.5	13.6
100 – 170 lb	1.5 – 1.7	3.6	10.9
100 – 200 lb	≥1.8	3.0	9.1

EQUINE MIXING DIRECTIONS

MIXED-RATION FEEDING

Use the formula below to calculate the inclusion level of this product with grain or a feed supplement.

$$\frac{\text{Inclusion of ClariFly® Larvicide Livestock Premix 0.67\% (lb/ton)}}{\frac{\text{Body Weight (lb)}}{100} \times 4.5} = \text{Average Daily Feed Intake (lb)}$$

Thoroughly mix this product with grain or a feed supplement.

SWINE MIXING DIRECTIONS

MIXED-RATION FEEDING

Use the formulas below to calculate the inclusion level of ClariFly® Larvicide Livestock Premix 0.67% with grain or a feed supplement based on the target dosage. 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:

$$\frac{\text{Inclusion of ClariFly® Larvicide Livestock Premix 0.67\% (lb/ton)}}{\frac{\text{Body Weight (lb)}}{100} \times 6} = \text{Average Daily Feed Intake (lb)}$$

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

$$\frac{\text{Inclusion of ClariFly® Larvicide Livestock Premix 0.67\% (lb/ton)}}{\frac{\text{Body Weight (lb)}}{100} \times 9} = \text{Average Daily Feed Intake (lb)}$$

Use the following equation when calculating inclusion level based on a 0.10 mg/kg dosage: This ration for limit fed gestating sows only.

$$\frac{\text{Inclusion of ClariFly® Larvicide Livestock Premix 0.67\% (lb/ton)}}{\frac{\text{Body Weight (lb)}}{100} \times 3} = \text{Average Daily Feed Intake (lb)}$$

Thoroughly mix this product with grain or a feed supplement.

SHEEP AND GOAT MIXING DIRECTIONS

MIXED-RATION FEEDING

Use the formula below to calculate the inclusion level of ClariFly® Larvicide Livestock Premix 0.67% with grain or a feed supplement.

$$\frac{\text{Inclusion of ClariFly® Larvicide Livestock Premix 0.67\% (lb/ton)}}{\frac{\text{Body Weight (lb)}}{100} \times 12} = \text{Average Daily Feed Intake (lb)}$$

Thoroughly mix this product with grain or a feed supplement.

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.

For more information, call 1-800-347-8272.

www.centralflycontrol.com



NOTICE: This product can expose you to chemicals including silica, which is known to the State of California to cause cancer. For more information, visit www.P65Warnings.ca.gov.

Manufactured for:

Central Garden & Pet Company

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