



# Pertinent Ag

## HerdGuard Cattle Feed-Thru

### AN INSECT GROWTH REGULATOR END-USE PRODUCT FOR CONTROL OF HORN FLY, STABLE FLY, HOUSE FLY AND FACE FLY IN THE MANURE OF CATTLE AND CALVES



When mixed in mineral supplements, prevents the development and emergence of horn flies, stable flies, house flies, and face flies in the manure of treated cattle



Contains diflubenzuron Insect Growth Regulator [IGR]



Breaks the life cycle of the target pests



May be used in an integrated pest management program

#### ACTIVE INGREDIENT:

Diflubenzuron\* (CAS# 35367-38-5).....3.00%

OTHER INGREDIENTS.....97.00%

TOTAL.....100.00%

\*Contains 13.62 g of diflubenzuron/lb

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

NET CONTENTS 50 lbs (23 kg)



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### USE INFORMATION

Pertinent Ag HerdGuard Cattle Feed-Thru is an insect growth regulator used to prevent the development of infestations of horn fly, stable fly, house fly and face fly in the manure of treated beef and dairy cattle and calves. When mixed with feed or mineral supplements, diflubenzuron, the active ingredient in Pertinent Ag HerdGuard Cattle Feed-Thru, passes through the digestive tract and into the feces in sufficient concentration to kill fly larvae. Pertinent Ag HerdGuard Cattle Feed-Thru controls the infestation by inhibiting the development of horn fly, stable fly, house fly and face fly larvae in the manure and feces of treated animals.

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

##### CAUTION

Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt and long pants, shoes plus socks, and chemical resistant gloves. Remove and wash contaminated clothing before re-use.

### FIRST AID

**Call a poison control center or doctor immediately for treatment advice.**

**If swallowed:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor

**If on skin or cloth:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**If in the eyes:** Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.

### HOT LINE NUMBER

Have product container or label with you when calling a poison control center, doctor or going for treatment. For emergency information concerning this product, call National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6.30 am to 4.40 pm PST (NPIC website: [www.npic.orst.edu](http://www.npic.orst.edu)).

### 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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling the product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

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



## HerdGuard Cattle Feed-Thru

### DIRECTIONS FOR USE

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

There is no withdrawal period for Pertinent Ag HerdGuard Cattle Feed-Thru. Uniformly mix into the feed or mineral supplement. A pre-mixture is recommended to guarantee a uniform dispersion in the final feed product.

A pre-mixture consists of mixing the total amount of 3% DFBZ Feed-Thru to be used, in a small amount of feed or mineral supplement and only then mix this into the rest of the feed or mineral supplement which is to be treated.

### MIXED WITH FREE-CHOICE MINERALS

Mix Pertinent Ag HerdGuard Cattle Feed-Thru with free choice minerals to produce mineral mixture as shown in the table below. Place the diflubenzuron/mineral mixture in feeders close to either water sources and/or resting areas. Use one feeder for 15 - 20 head of cattle. Fill the feeders with no more than a 5 - 7 day supply of the mixture at one time, and protect from inclement weather.

| Free Choice Minerals* | 2 OZ PER DAY FEEDING RATE** |        | 4 OZ PER DAY FEEDING RATES*** |        |
|-----------------------|-----------------------------|--------|-------------------------------|--------|
| HerdGuard™ Feed-Thru  | 2.66 lbs                    | 2.59%  | 2.66 lbs                      | 1.31%  |
| Free Choice Minerals  | 100 lbs                     | 97.41% | 200 lbs                       | 98.69% |
| Total                 | 102.66 lbs                  | 100%   | 202.66 lbs                    | 100%   |

\*These calculations are based on a 1000 lb animal

\*\*When the use of free choice mineral is recommended for beef and dairy cattle in pasture, the feeding rate is determined by the sodium chloride content. A 50% sodium chloride content determines a rate of 2oz/day

\*\*\*When the use of free choice mineral is recommended for beef and dairy cattle in pasture, the feeding rate is determined by the sodium chloride content. A 25% sodium chloride content determines a rate of 4oz/day

### MIXED RATION FEEDING

The table below is a guide for mixing Pertinent Ag HerdGuard Cattle Feed-Thru with grain or feed supplement. The mixing and feeding rates of Pertinent Ag HerdGuard Cattle Feed-Thru in the table below or calculated from the equation will provide the daily intake not in excess of 0.1 0 mg diflubenzuron/kg body weight (4.54 mg/100 lbs of body weight'per day).

Amount of HerdGuard Feed-Thru (lbs/ton)

=

[(body weight in lbs) / 100] x 0.666

Average daily intake (lbs)

| Body Wt<br>(lbs) | Feed Intake<br>(as % Body wt) | Feed Intake<br>(lbs/hd/day) | 3% DFBZ Feed-Thru |         | 3% DFBZ Feed-Thru<br>(g/head/day) | Diflubenzuron Active Ingredient<br>(mg/hd/day) |
|------------------|-------------------------------|-----------------------------|-------------------|---------|-----------------------------------|--|
|                  |                               |                             | oz/ton            | lbs/ton |                                   |  |
| 100              | 1.36                          | 1.36                        | 7.84              | 0.49    | 0.15                              | 4.53   |
| 250              |                               | 3.40                        |                   |         | 0.38                              | 11.34  |
| 500              |                               | 6.80                        |                   |         | 0.76                              | 22.69  |
| 1,000            |                               | 13.60                       |                   |         | 1.51                              | 45.38  |
| 1,500            |                               | 20.40                       |                   |         | 2.27                              | 68.07  |
| 100              | 1.80                          | 1.81                        | 5.88              | 0.37    | 0.15                              | 4.54   |
| 250              |                               | 4.50                        |                   |         | 0.38                              | 11.34  |
| 500              |                               | 9.00                        |                   |         | 0.76                              | 22.67  |
| 1,000            |                               | 18.00                       |                   |         | 1.51                              | 45.35  |
| 1,500            |                               | 22.50                       |                   |         | 1.89                              | 56.69  |
| 100              | 2.30                          | 2.30                        | 4.69              | 0.29    | 0.15                              | 4.54   |
| 250              |                               | 5.75                        |                   |         | 0.38                              | 11.35  |
| 500              |                               | 11.50                       |                   |         | 0.76                              | 22.70  |
| 1,000            |                               | 23.00                       |                   |         | 1.51                              | 45.40  |
| 1,500            |                               | 34.50                       |                   |         | 2.27                              | 68.10  |
| 100              | 2.77                          | 2.77                        | 3.92              | 0.24    | 0.15                              | 4.53   |
| 250              |                               | 6.93                        |                   |         | 0.38                              | 11.32  |
| 500              |                               | 13.85                       |                   |         | 0.76                              | 22.63  |
| 1,000            |                               | 27.70                       |                   |         | 1.51                              | 45.27  |
| 1,500            |                               | 34.63                       |                   |         | 1.89                              | 56.59  |



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## HerdGuard Cattle Feed-Thru

### STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container in a cool, dry place.

**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 empty bag and box in a sanitary landfill or by incineration, or if by State or local authorities by burning. If burned, stay out of smoke.

### WARRANTY

Pertinent Eco-Solutions, Inc. warrants that this product conforms to the chemical description on the label. Pertinent Eco-Solutions, Inc., neither makes nor authorizes any agent or representative to make any other warranty of fitness of merchantability, guarantee or representation, express or implied, concerning this product. To the extent consistent with applicable law, Pertinent Eco-Solution, Inc.'s maximum liability for breach of this warranty shall not exceed that purchase price of this product. To the extent consistent with applicable law, buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this product which extend beyond the use of this product under normal conditions in accord with the statements on this label.

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