



# Credo® D

Insecticide for control of darkling beetles, lesser mealworms and hide beetles in poultry buildings.

- ✓ Contains DStar™ proprietary adjuvant
- ✓ Broadcast or banded treatment
- ✓ Controls darkling beetle adults and larvae



**ACTIVE INGREDIENT:**  
Imidacloprid [CAS 1328261-41-3] .....21.4%

**OTHER INGREDIENTS:** .....78.6%

**Total:** .....100.0%

Contains 2.0 pounds of imidacloprid per gallon, or 240 grams AI/liter.

**Shake well before using.**

**NET CONTENTS: 1/2 Gallon**

EPA Reg. No. 11556 - 153

EPA Est. No. 264-MO-3

**STOP - Read the label before use.**  
**Keep out of reach of children.**

## CAUTION



**Bayer**

Product of Germany

Produced for  
Bayer HealthCare, LLC  
Animal Health Division

P.O. Box 390, Shawnee Mission, KS 66201

Credo® D has a patent pending.

82970704, R.O 15608

Bayer (reg'd), the Bayer Cross (reg'd), Tempo®, Credo®, and DStar are trademarks of Bayer.



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STATE OF HAWAII  
Department of Agriculture  
**ACCEPTED**  
LICENSE NO.

**9618.128**

**DISC.**

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## FIRST AID

<b>If on Skin:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of soap and water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"><li>• Move the person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
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<b>If In Eyes:</b>	<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 a poison control center or doctor for treatment advice.</li></ul>

## HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency medical treatment call 1-800-422-9874. For customer service or to obtain product information, including the MSDS, call 1-800-633-3796.

## NOTE TO PHYSICIAN

No specific antidote is available. Treat the patient symptomatically.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse. Avoid breathing spray mist. Avoid contact with eyes or clothing.

#### Personal Protective Equipment

All pesticide handlers (mixers and applicators) must wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves made of waterproof material. Wear protective eyewear.

#### ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash waters. Apply this product only as specified on this label.

#### DIRECTIONS FOR USE

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**IMPORTANT:** Read the entire Directions for Use, Conditions of Sale and Disclaimer of Warranties and Limitations of liability before using this product.

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product has been tested under different environmental conditions similar to those that are ordinary and customary where the product is to be used. Insufficient control of pests may result from failure to follow label directions. In addition, failure to follow label directions may cause injury to animals, man and damage to the environment. Bayer offers, and the buyer accepts and uses, this product subject to the conditions that extraordinary or unusual environmental conditions, or failure to follow label directions are beyond the control of Bayer and are, therefore, the responsibility of the buyer.

Do not formulate this product into other end-use products.

### DARKLING BEETLE, LESSER MEALWORM AND HIDE BEETLE CONTROL IN POULTRY BUILDINGS

Use CREDO® D as a general surface, spot, or crack and crevice treatment to the litter, walls and support beams of poultry buildings. **Do not apply when birds are present.** Cover or remove exposed feed and water from the area to be treated. Allow treated surfaces to dry before restocking/reintroducing birds into the building.

**MIXING AND APPLICATION RATES:** Determine the number of square feet (ft<sup>2</sup>) to be treated. Refer to Mixing Table below for amount of Credo® D to be used. This product will treat 10,000 ft<sup>2</sup> of surface area.

Mix the required amount of this product with the appropriate amount of water and apply as a spray. Fill the sprayer tank with 1/2 of the water specified for the treatment. Begin agitating the water and add the required amount of product to the tank. Continue mixing and add the remaining water. Maintain sufficient agitation during product application to ensure a uniform spray. Prepare a fresh spray mixture before each treatment.

### MIXING TABLE FOR Credo® D

<i>Pests to Control</i>	<i>Credo® D Per 1,000 ft<sup>2</sup></i>	<i>Gallons of water Per 1,000 ft<sup>2</sup></i>
Darkling Beetles Lesser Mealworms [Hide Beetles]	6.4 fl. oz.* (188 mL*)	1/2 - 2 1/2 gallons

\* Equivalent to 45 grams of imidacloprid AI/1,000 ft<sup>2</sup>

CONVERSION KEY: 128 fl oz = 1 gal, 16 fl oz = 1 pint, 8 pints = 1 gal,  
1 fl oz = 29.5 mL

**WHEN TO APPLY:** Apply between flocks after all litter management practices, e.g., removal, de-caking, tilling, windrowing and/or addition of new litter have been completed.

#### HOW TO APPLY

**Band Application:** When darkling beetles are concentrated in certain areas, such as under feed or water lines or along the perimeter walls, it may not be necessary to treat the entire litter surface of a poultry house. In these situations, only certain areas or "bands" may be treated. *For example*, apply diluted Credo® D on: a 3-foot wide band of litter under all of the feed and/or water lines in the house; a 3-foot wide band of litter adjacent to the side and end walls; and the lower section of the walls, including 1 foot up onto wood surfaces above the foundation. Be sure to measure the actual square feet to be treated in order to determine the quantity of this product necessary for the treatment.

**Whole House Application:** When darkling beetle infestation is severe, the entire poultry facility may need to be treated. Apply diluted Credo® D as a broadcast spray to the litter covering the entire floor area, especially to litter under feed and water lines, as well as to the lower sections of walls, including 1 foot up onto wood surfaces above the concrete foundation.

**ADDITIONAL INFORMATION:** In houses with support beams, treat the litter surface around each support post, and 1 foot up each post. Also apply diluted spray to cracks and crevices around wall insulation, doors and other openings where beetles have been seen or can hide. Credo® D contains DStar™ proprietary adjuvant as a stabilizer.

#### RESISTANCE MANAGEMENT

Darkling beetles, like all insects, have the ability to develop resistance to insecticides. When a single chemical class is used continuously, this increases the possibility that resistance to that chemical class will develop. Credo® D contains imidacloprid, which belongs to the class of chloronicotinyl insecticides. This product should be used in a rotational program with other insecticides such as Tempo® products to prevent resistance and prolong the product's usefulness for darkling beetle control.

- Read and follow ALL label directions when applying Credo® D or any other insecticide.
- Do not use this product or any other insecticide product at less than the specified label rate. This exposes the insects to a non-killing dose and increases the development of resistance.
- Use other practices in addition to chemical applications to darkling beetle populations.

Contact your Bayer Animal Health representative or your Cooperative Extension Service for advice concerning the use of this product and appropriate practices.

**NOTE:** When pest exclusion at possible entry points is desired, supplement Credo® D treatments with targeted applications of an insecticide such as Tempo® SC Ultra Premise Spray or Tempo® 20 WP Insecticide to the building perimeter, foundation, doors and windows, utility entry points, and other places where pests may enter the structure. Read and follow all label directions for use of these other products.

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area. Handle and open container in a manner as to prevent spillage. If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticide below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Kansas City Emergency Response Telephone No. is 1-800-414-0244, or contact Chemtrec at 1-800-424-9300.

**Pesticide Disposal:** Wastes resulting from the use of this product may be disposed of on site (in the treatment area) or at an approved waste disposal facility.

**Residue Removal:** Triple rinse as follows: Empty remaining contents into application equipment or mix tank and drain for 10 seconds after flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this process two more times.

**Container Disposal:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available.

#### LIMITED WARRANTY AND LIMITATION OF DAMAGES

Bayer Healthcare LLC, Animal Health Division warrants that this material conforms to the chemical description on the label. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY, INCLUDING ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY, and no agent of Bayer is authorized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages and shall not include consequential commercial damages such as loss of profits or values, etc.

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OVERALL SIZE: 20.5" WIDE X 3.5"

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