

11556-153

19-05-2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (H7505P)  
1200 Pennsylvania Avenue NW  
Washington, D.C. 20460

EPA Reg. Number:  
11556-153

Date of Issuance:

Term of Issuance: **Unconditional**

Name of Pesticide Product:  
**Credo® D**

**NOTICE OF PESTICIDE:**

Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Douglas A. Spilker, Ph D.  
Bayer HealthCare LLC, Animal Health Division  
P.O. Box 390  
Shawnee Mission, KS 66201-0390

**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. Once a pesticide is registered, however, it is not regarded as permanently acceptable. Registration does not eliminate the need for continual reassessment of pesticides. If the Agency determines that, at any time, additional data are required to maintain in effect an existing registration, the Agency will require submission of such data under FIFRA section (3)(c)(2)(B).

1. Revise the EPA Registration Number to read, EPA Reg. No. "11556-153"

Signature of Approving Official:

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

Date:

**OCT 05 2010**

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2. Within eighteen months of the date of this registration, submit to the Agency the required one year storage stability study (830.6317) for the proposed product under warehouse conditions. The corrosion characteristics study (830.6320) may be carried out concurrently. It is recommended that observations be made at 0, 3, 6, 9, and 12 months.

3. Submit one copy of your final printed label before you release the product for shipment. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitute acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions regarding this notice contact Dani Daniel at 703 305-5409.

Note to Reviewer: Brackets [ ] and parentheses ( ) denote optional language

# Credo<sup>®</sup> D

Insecticide for (effective) control [(darkling beetles) (lesser mealworms)] and [hide beetles] in poultry [(housing) (structures) (facilities) (buildings) (barns)].

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- [Selected optional label claims bulleted here from pages 7-9.]
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<b>ACTIVE INGREDIENT:</b>	
Imidacloprid [CAS 1328261-41-3] .....	21.4%
<b>OTHER INGREDIENTS</b> .....	78.6%
<b>Total:</b> .....	100.0%

Contains 2.0 pounds of imidacloprid per gallon, or 240 grams Al/liter.	Shake well before using.
<b>EPA Reg. No. 11556 - XXX</b>	<b>EPA Est. No. TBD</b>

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

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglÉs, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

**(TO THE USER:** If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

**NET CONTENTS:**

Produced for

Bayer HealthCare, LLC  
Animal Health Division  
P.O. Box 390  
Shawnee Mission, KS 66201

**ACCEPTED  
OCT 05 2010**

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

EPA. Reg. No: 11556 - 153

Credo<sup>®</sup> D has a patent pending.

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<b>FIRST AID</b>	
<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 poison control center or doctor for further treatment advice.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
<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>
<b>HOT LINE NUMBER</b>	
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.	
<b>NOTE TO PHYSICIAN</b>	
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.

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### 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

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

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

**CONDITIONS OF SALE:** The directions for use of this product were determined through research to be appropriate for the correct use of this product. This 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 [(HOUSING) (STRUCTURES) (FACILITIES) (BUILDINGS) (BARN)]**

Use [(Credo D) (this product)] as a general surface, spot, or crack and crevice treatment to the [(litter) (floors),] walls and support beams of [(poultry) (broiler) (turkey) (caged egg layer) (breeder)] [(housing) (structures) (facilities) (buildings) (barns)]. **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 [(house) (structure) (facility) (building) (barn)].

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

Mix the required amount of [(Credo D) (this product)] with the appropriate amount of water and

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apply as a spray. Fill the sprayer tank with ½ of the water [(required) (specified)(necessary)] for the treatment. Begin agitating the water and add the required amount of [(Credo D) (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

<b>Pests to Control</b>	<b>CREDO D Per 1,000 ft<sup>2</sup></b>	<b>Gallons of Water Per 1,000 ft<sup>2</sup></b>
Darkling Beetles Lesser Mealworms] [Hide Beetles]	6.4 fl. oz.* (188 mL*)	½ -2 ½ gallons

\* Equivalent to 45 grams of imidacloprid a.i./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 each grow-out) (after all litter management practices, e.g., removal, de-caking, tilling, windrowing and/or addition of new litter have been completed) (following de-caking) (to new litter following clean-out) (following sanitation procedures) (prior to placement of a new flock)].

#### 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 [(floor area) (litter surface)] of a [(poultry) (broiler) (turkey) (caged egg layer) (breeder)] house. In these situations, (only) certain areas [of the house] [or "bands"] may be treated. *For example,* [(apply) (spray)] diluted Credo D [(on) (to)]: a 3-foot wide band of litter [surface] under all of the feed and/or water lines in the house; a 3-foot wide band of litter [surface] adjacent to the side and end walls; and the lower [(section) (portion)] of the walls, including 1 foot up onto wood surfaces above the [concrete] foundation. Be sure to measure the actual [(surface) (area) (square feet)] to be treated in order to determine the [amount] [quantity] of [(Credo D) (this product)] [(required) (necessary)] for the [(application) (treatment)].

**Whole House Application:** When darkling beetle infestation is severe, the entire poultry [(house) (facility) (barn) (litter surface) (floor area)] may need to be treated. Apply diluted [(Credo D) (this product)] 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 (and) doors (and other openings) where beetles have been seen or can [(hide) (find harborage)]. [(Credo D) (This product)] contains DStar™ proprietary adjuvant as a stabilizer.

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**[INSECTICIDE ROTATION] [INTEGRATED PEST MANAGEMENT (IPM)] [RESISTANCE MANAGEMENT]**

Darkling beetles, like all insects, have the ability to develop resistance to insecticides. When a single chemical class is used [(continuously) (flock after flock) (year after year) (time after time)], this [(enhances) (increases) (maximizes)] the [(likelihood) (probability) (certainty) (possibility)] that resistance to that chemical class will develop. [(Credo D) (this product)] contains imidacloprid, which belongs to the class of chloronicotinyl insecticides. [(Credo D) (this product)] should be used in a [(rotational) (insecticide rotation)] program with other [classes of] insecticides [(such as) (including, but not limited to)] [pyrethroids] [(such as) (Tempo<sup>®</sup> products) (Tempo<sup>®</sup> SC Ultra)], [organophosphates], [spinosyns], to prevent [the development of] resistance and [(preserve) (prolong) (protect) (maintain) (increase)] the product's [(useful life) (usefulness) (effectiveness) (efficacy) (longevity) (value)] for darkling beetle control.

- Read and follow ALL label directions when [(using) (applying) (treating with)] [(Credo D) (this product)] or any other insecticide [product].
- Do not use [(Credo D) (this product)] or any other insecticide [product] at [(less) (lower)] than the specified label rate. This exposes the insects to a [(sub-lethal) (non-killing)] dose and [(hastens) (speeds up) (accelerates) (favors) (increases)] the development of resistance.
- Use [(other) (Integrated Pest Management) (IPM)] [(strategies) (tactics) (practices) (measures)] in addition to [(insecticide) (chemical)] [(applications) (treatments)] to [(manage) (control)] darkling beetle populations.

[Contact] [Talk to] your [local] Bayer [Animal Health] representative or your [local] Cooperative Extension Service (Agent) for advice concerning the use of [(Credo D) (this product)] and [(appropriate) (helpful) (suitable)] [(resistance management) (insecticide rotation)] [(strategies) (tactics) (practices) (measures)].

**[NOTE:** When pest exclusion at possible entry points is desired, supplement Credo D [litter] treatments with [targeted] [(applications) (treatments)] of a [(pyrethroid) (insecticide)] [such as (Tempo<sup>®</sup> SC Ultra Premise Spray) or (Tempo<sup>®</sup> 20 WP)] 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) (companion)] products.]

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### 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 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 ¼ 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.

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



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## Additional/Alternative Marketing Claims

### Formula:

- One dose formula
- No dust
- Easy to Mix
- Quick mix (liquid) formula
- Specifically formulated for control of darkling beetles
- Specifically formulated for the poultry industry
- Quick mix and spray formula
- Mix & Go (liquid) formula
- One dose mix-and-go (liquid) formula
- Formulated to meet the needs of poultry operations
- Darkling beetle control (product) designed (formulated) specifically for poultry producers
- Darkling beetle control (liquid) formula
- Easy to apply, hard on darkling beetle (formula)
- Quick Mix and Apply (Product)
- Contains [(imidacloprid) (a chloronicotinyl insecticide)]
- Contains DStar™ (proprietary) adjuvant

### Benefits:

- Controls darkling beetles that may [(carry) (spread) (transmit)] poultry disease-causing organisms
- Controls [(darkling beetle) (lesser mealworm)] [and hide beetle] infestations poultry [(housing) (structures) (facilities) (buildings) (barns)]
- Controls darkling beetles that may damage [(buildings) (ceilings) (insulation) (walls)]
- Controls darkling beetles that [(can feed on grain) (consume expensive poultry feed)]
- Controls both [(darkling beetle) (lesser mealworm)] [and hide beetle] larvae and adults
- Research proven control of [(darkling beetle) (lesser mealworm)] [and hide beetle] [larvae and adults] in poultry [(housing) (structures) (facilities) (buildings) (barns)]
- Effective against both [(darkling beetle) (lesser mealworm)] [and hide beetle] larvae and adults
- Stop (reduce) (alleviate) (take out) the risks that darkling beetles [(pose) (bring)]
- Stop the damage and risks that darkling beetles cause
- Stop darkling beetles from [(taking)(eating)] your profitability
- Reduce darkling beetle risk(s)
- Reduce risks that darkling beetles [(pose) (bring)]
- Reduce impact on neighboring communities
- Reduce darkling beetles' negative impact on [poultry] [(production) (performance)]

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**Application:**

- Effective control of [(darkling beetles) (lesser mealworms)] [and hide beetles]
- One half gallon bottle of (Credo D) (this product)] will treat 10,000 ft<sup>2</sup> of surface area.
- Two ½ gallon bottles of (Credo D) (this product) will treat 20,000 ft<sup>2</sup> of surface area.
- [(Targeted) (Banded)] [(application) (treatment)] delivers effective [(darkling beetle) (lesser mealworm)] [and hide beetle] control
- One dose – effective, (easy) (simple) to use
- [(Focused) (Targeted) (Strategic)] band [(treatment) (application)]
- Allows labor saving band [(treatment) (application)]
- Broadcast or banded treatment (application)
- Less time consuming (band) [(application) (treatment)]
- Easy and flexible treatment (options)
- Time Saving Band Application
- Mix and spray – fast and flexible treatment
- [(Credo D) (This product)] can be applied as either a band or broadcast (spray) treatment
- Use less insecticide (per house/building/barn) with a banded application
- Less insecticide – [(targeted) (banded)] [(application) (treatment)]
- Easy and targeted control of [(darkling beetle) (hide beetle) (lesser mealworm)]
- [(Protection) (Control)] exactly where you need it
- Flexible application for any poultry operation
- Save time, labor and money with [(targeted) (focused)] band application
- Banded application saves time, labor and money; Provides effective control
- Apply [(treatment) (control)] right where you need it
- Easy (One) Dose Treatment
- One dose, mix, and spray – Quick and Easy
- Target [(darkling beetles) (lesser mealworms)] [and hide beetles]

**General:**

- The active ingredient (imidacloprid) in Credo D has been proven to provide effective control of [(darkling beetles) (lesser mealworms)] [and hide beetles]
- Controls darkling beetle adults and larvae
- The solution to [(darkling beetle) (lesser mealworm)] [and hide beetle] control
- [(Control) (Reduce)] darkling beetles that can [(spread) (carry)] disease causing organisms

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**Rotation Benefits:**

- Rotate with [(Tempo) (Tempo SC Ultra)] to manage (darkling beetle) resistance
- Team up with [(Credo D) (this product)] and [(Tempo) (Tempo SC Ultra)]
- [(Manage) (Prevent)] resistance - rotate (with) (between) Credo D & [(Tempo) (Tempo Ultra)]
- Team up with the Rotation (Combination): Credo D & [(Tempo) (Tempo SC Ultra)]
- [(Prevent) (Manage)] resistance with the rotation (combination) (products) (team): Credo D & [(Tempo) (Tempo SC Ultra)]
- Rotation (Team)
- The Credo D & [(Tempo) (Tempo SC Ultra)] Team [(prevents) (manages)] resistance
- For maximum results, Team up with the Rotation Combination