



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 11, 2025

### **SENT BY EMAIL**

Trish O'Reilly  
Trish.OReilly@envu.com  
ENVIRONMENTAL SCIENCE U.S., LLC

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - To update product's EPA Registration number, add company logo, and pest image and cleanup of previous edits.  
Product Name: CREDO SC INSECTICIDE  
Admin Number: 101563-217  
EPA Receipt Date: 02/02/2024  
Action Case Number: 00501557

Dear Trish O'Reilly:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Ralph Narain by telephone at 202-566-2853 or via email at [narain.ralph@epa.gov](mailto:narain.ralph@epa.gov).

Sincerely,  
*Ralph Narain for*

Loren LaPointe, Acting Product Manager 01  
IVB3, RD  
Office of Pesticide Programs

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

# Credo<sup>®</sup> SC Insecticide

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

**Editorial Note – Marketing claims positioned here**

**[Image Placeholder – Darkling beetle image]**

**Editorial Note – [Bracketed Text] is optional language**

• ~~[Selected optional label claims bulleted here from pages 8–10.]~~

**ACTIVE INGREDIENT:** Imidacloprid [~~CAS 1328261-41-3~~]..... 42.8%

**OTHER INGREDIENTS:**.....57.20%

**TOTAL:**.....100.00%

EPA Reg. No. 101563-217 EPA Establishment No.

Contains 4.38 pounds of imidacloprid per gallon, or 526 grams AI/liter.

**Shake well before using.**

<del>Contains 4.38 pounds of imidacloprid per gallon, or 526 grams AI/liter.</del>	<del>Shake well before using.</del>
<b>EPA Reg. No. 11556-146</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.)

[See [Back][Side] [Panel] [and] [Leaflet] [Booklet] for Complete Precautionary Statements and Directions for Use.]  
(Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

**Net Contents:**

**PRODUCED FOR**



**Environmental Sciences U.S., LLC  
5000 CentreGreen Way, Suite 400  
Cary, NC 27513**

## NOTIFICATION

101563-217

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/11/2025

Reason to Issue: ~~Remove pests from label and update~~  
~~Warranty and Conditions of Sale Sections.~~  
~~Added copy right symbol to brand name.~~

Date: 11/19/2013

Supersedes: 03/27/2008  
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FIRST AID	
If Swallowed:	<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 by mouth to an unconscious person.</li></ul>
If In Eyes:	<ul style="list-style-type: none"><li>• Hold eyelids 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 eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If On Skin or Clothing:	<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>
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 1-800-424-9300. 1-800-422-9874 For customer service or to obtain product information, including the MSDS, call 1-800-331-2867. 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 swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets away from treated area until dry.

#### 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. After the product is diluted in accordance with label directions for use, shirt, pants, socks, shoes must be worn.

### 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 on this label were determined through research to be appropriate for the correct use of this product. This product has been tested under different environmental conditions both indoors and outdoors similar to those that are ordinary and customary where the product is to be used. Insufficient control of pests or plant injury may result from the occurrence of extraordinary or unusual conditions, or from failure to follow label~~

~~Note to Reviewer: Brackets [ ] and parentheses ( ) denote optional language directions. In addition, failure to follow label directions may cause injury to animals, man, and damage to the environment. To the extent permitted by applicable law, 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 AND AROUND POULTRY [(HOUSING) (STRUCTURES) (FACILITIES) (BUILDINGS) (BARNs)]**

Use [(Credo SC Insecticide) (this product)] as a general surface, spot, or crack and crevice treatment to 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) (animals)] 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 SC Insecticide) (this product)] to be used. Mix the required amount of [(Credo SC Insecticide) (this product)] with the [(appropriate) (desired)] amount of water and apply as a spray. Fill the sprayer tank with ½ of the water [(required) (needed) (necessary) (desired)] 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 SC Insecticide**

<i>Pests to Control</i>	<i>Credo SC Insecticide Per 1,000 ft <sup>2</sup></i>	<i>Gallons of Water Per 1,000 ft <sup>2</sup></i>
Darkling Beetles [Hide Beetles]	3 fl. oz.* (90 mL*)	½ -2 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) (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) or (desirable)] to treat the entire [(floor area) (litter surface)] of a [(poultry) (broiler) (turkey) (caged egg layer) (breeder)] house. In these situations, certain portions [of the house] or “bands” may be treated. *For example*, [(apply) (spray)] diluted Credo SC Insecticide [(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 SC) (this product)] [(needed) (required) (necessary)] for the [(application) (treatment)].

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

**Whole House Application:** When darkling beetle infestation is severe, the entire house may need to be treated. Apply diluted [(Credo SC Insecticide) (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.

**FOR BEST RESULTS:** 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, where beetles have been seen or can find harborage.

#### [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) (chance)] that resistance to that chemical class will develop. [(Credo SC Insecticide) (this product)] contains imidacloprid, which belongs to the class of chloronicotinyl insecticides. [(Credo SC Insecticide) (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® products) (Tempo® SC Ultra products)] [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 SC Insecticide) (this product)] or any other insecticide [product].
- Do not use [(Credo SC Insecticide) (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] **Environmental Science U.S., LLC** [Animal Health] representative or your [local] Cooperative Extension Service for advice concerning the use of [(Credo SC Insecticide) (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 SC Insecticide [litter] treatments with [targeted] [(applications) (treatments)] of [(pyrethroid) (insecticides)] [such as (Tempo® SC Ultra) or (Tempo® 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.]

#### 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 **Environmental Science U.S., LLC** 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.

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

## CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, or other property damage as well as unintended consequences may result because of factors as beyond the control of Environmental Science U.S., LLC. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Environmental Science U.S., LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC disclaims any liability whatsoever for special, incidental or consequential damages resulting FROM THE USE OR HANDLING OF THIS PRODUCT.

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Envu and the Envu logo are trademarks and Credo® and Tempo® are registered trademarks owned by Environmental Science U.S., LLC or one of its affiliates. ~~Credo and TEMPO is a registered trademark of Environmental Science U.S., LLC.~~

Credo® SC Insecticide (Pending) 02/23/2021 12/16/2022AV1

**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 WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL, and no agent of Bayer is authorized to make or modify any warranties beyond those contained herein. Any damages arising from breach of this warranty shall be limited to direct damages and shall not include special, incidental or consequential damages resulting from the use of handling of this product.~~



~~Reason to Issue:~~ ~~Remove pests from label and update~~  
~~Warranty and Conditions of Sale Sections:~~  
~~Added copy right symbol to brand name:~~

~~Date: 11/19/2013~~

~~Supersedes: 03/27/2008~~  
~~Page 6 of 9~~

~~Note to Reviewer: Brackets [ ] and parentheses ( ) denote optional language~~  
**NET CONTENTS:**

~~Manufactured for:~~

~~Bayer HealthCare, LLC~~  
~~Animal Health Division~~  
~~P.O. Box 390~~  
~~Shawnee Mission, KS 66201~~  
~~<http://www.bayer-ah.com/livestock.cfm>~~

## **Additional/Alternative**

**{{Optional marketing claims appearing on any location:}}**

### **Formula:**

- One dose formula
- No dust
- 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)}

### **Benefits:**

- Controls darkling beetles that may {{carry} (spread) (transmit)} poultry disease-causing organisms
- Controls darkling beetles that may damage {{buildings} (ceilings) (insulation) (walls)}
- Controls darkling beetles that can feed on grain
- Controls both {{darkling beetle} (lesser mealworm)} {{and hide beetle} larvae and adults
- Effective against both {{darkling beetle} (lesser mealworm)} {{and hide beetle} larvae and adults
- Stop (reduce) (alleviate) (take out) the risks 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)}

### **Application:**

- Effective control of {{darkling beetles} (lesser mealworms)} {{and hide beetles}}
- {{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)}

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

- 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 technology
- Credo SC can be applied as either a band or broadcast (spray) treatment
- Controls even pyrethroid [(spinosad) (organophosphate)] resistant [(darkling beetle) (lesser mealworm)] [and hide beetle]
- 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 Technology
- One dose, mix, and spray – Quick and Easy
- Target [(darkling beetles) (lesser mealworms)] [and hide beetles]

**General:**

- The active ingredient in Credo SC (imidacloprid) 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

**Rotation Benefits:**

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

**{[Optional marketing pictograms and images appearing on any location:]}**

