

# ACURIO<sup>TM</sup>

## SC

IMIDACLOPRID GROUP 4A INSECTICIDE

Contains imidacloprid, the active ingredient used in Credo<sup>®</sup> SC Insecticide.

For effective control of darkling beetles and hide beetles in and around poultry facilities.

- ✓ Controls both darkling beetle and hide beetle larvae and adults.
- ✓ Stop the damage and risks that darkling beetles cause.
- ✓ Targeted (Banded) application delivers effective darkling beetle and hide beetle control.
- ✓ One dose - effective, easy to use.
- ✓ Broadcast or banded treatment.
- ✓ Rotate with pyrethroid products to manage darkling beetle resistance

<b>ACTIVE INGREDIENT:</b>	(% by weight)
Imidacloprid [CAS 1328261-41-3] .....	42.8%
<b>OTHER INGREDIENTS:</b> .....	57.2%
<b>TOTAL</b> .....	100.0%
This product is a soluble concentrate (SC) that contains 4.38 pounds of imidacloprid per gallon, or 526 grams AI/liter.	
Shake well before using.	
EPA Reg. No.: 91234-242	

**STOP - Read the label before use.**  
**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you DO NOT understand the label, find someone to explain it to you in detail.)

See below for additional Precautionary Statements.

FIRST AID	
<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>▪ <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li><li>▪ <b>DO NOT</b> give anything by mouth 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 eye.</li><li>▪ Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"><li>▪ Take off contaminated clothing.</li><li>▪ Rinse skin immediately with plenty of 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 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 further 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. You may also contact SafetyCall at 1-844-685-9173 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
No specific antidote is available. Treat the patient symptomatically.	

For Chemical Emergency: Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 or +1 703-527-3887 (collect calls accepted)

Acurio<sup>TM</sup> SC is not manufactured, or distributed by Elanco US Inc., seller of Credo<sup>®</sup> SC Insecticide.

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed. Harmful If absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, 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 barrier laminate, butyl rubber  $\geq 14$  mL, nitrile rubber  $\geq 14$  mL, neoprene rubber  $\geq 14$  mL, natural rubber  $\geq 14$  mL, polyethylene, polyvinyl chloride (PVC)  $\geq 14$  mL, or viton  $\geq 14$  mL.

#### USER SAFETY RECOMMENDATIONS

##### Users should:

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

#### 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.

#### DARKLING BEETLE AND HIDE BEETLE CONTROL IN AND AROUND POULTRY FACILITIES

Use **Acurio SC** as a general surface, spot, or crack and crevice treatment to floors, walls and support beams of poultry facilities. **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 facility.

##### Restrictions:

DO NOT apply when birds are present

DO NOT apply more than one whole house treatment and 5 perimeter (partial house) treatments per year.

DO NOT apply to more than 30,000 sq. ft. per year per house.

DO NOT formulate this product into other end-use products.

#### RESISTANCE MANAGEMENT

For resistance management, **Acurio SC** contains a Group 4A insecticide. Any insect population may contain individuals naturally resistant to **Acurio SC** and other Group 4A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed

To delay insecticide resistance, take the following steps:

- Rotate the use of **Acurio SC** or other Group 4A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Atticus, LLC at 984-465-4800.

When pest exclusion at possible entry points is desired, supplement **Acurio SC** treatments with targeted applications of pyrethroid insecticides 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.

**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 **Acurio SC** to be used. Mix the required amount of **Acurio SC** with the appropriate amount of water and apply as a spray. Fill the sprayer tank with  $\frac{1}{2}$  of the water required 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 Acurio SC

Pests to Control	Acurio SC Per 1,000 ft <sup>2</sup>	Gallons of Water Per 1,000 ft <sup>2</sup>
Darkling Beetles Hide Beetles	3 fl. oz. <sup>1</sup> (90 ml <sup>1</sup> )	½ -2 gallons

<sup>1</sup>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 following de-caking /sanitation procedures.

#### 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 of a poultry house. In these situations, certain portions of the house or “bands” may be treated. For example, apply diluted **Acurio SC** 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 area (square feet) to be treated in order to determine the amount of **Acurio SC** needed for the application

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

SPECIMEN



## 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.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### CONTAINER HANDLING:

**For plastic containers ≤ 5 gallons: Nonrefillable Container: DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

**For plastic containers > 5 gallons: Nonrefillable container. DO NOT** reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

## LIMITATION OF WARRANTY AND LIABILITY

**IMPORTANT: READ BEFORE USE.** Read the entire Directions for Use, Conditions of Warranties and Limitations of Liability before using this product. If these terms and conditions are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following 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, injury, and other unintended consequences may result because of such factors as manner of use or application (including misuse), the presence of other materials, weather conditions, and other unknown factors, all of which are beyond the control of ATTICUS, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** To the extent consistent with applicable law, ATTICUS, LLC makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond statements on this label. **LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, neither ATTICUS, LLC the manufacturer, nor the Seller shall be liable for any indirect, special, incidental or consequential damages resulting from the use, handling, application, storage, or disposal of this product. To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use, handling, application, or storage of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid.

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