



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

53883-457

Date of Issuance:

4/22/20

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

CSI 16-107H Insect Granule

Name and Address of Registrant (include ZIP Code):

Haley Wade  
 Control Solutions, Inc.  
 A5903 Genoa Red Bluff  
 Pasadena, Tx 44507

**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 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 conditionally registered in accordance with FIFRA section 3(c)(7)(B). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Sincerely,

Shanta Adeeb, Product Manager 10  
 Invertebrate-Vertebrate Branch 2  
 Registration Division (7505P)  
 Office of Pesticide Programs

Date:

4/22/20

EPA Form 8570-6

2. You are required to comply with the data requirements described in the DCI Orders identified below:
  - a. Indoxacarb GDCI-067710-1382
  - b. Novaluron GDCI-124002-1545

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Chemical Review Manager in the Pesticide Reevaluation Division:

<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the 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 Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements 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 Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

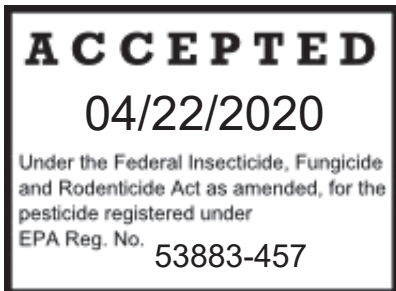
- Basic CSF dated 1/31/2020

If you have any questions, please contact Virna Stillwaugh by phone at 703-347-8506, or via email at [Stillwaugh.Virna@epa.gov](mailto:Stillwaugh.Virna@epa.gov).

Enclosure

[Text in brackets and italics are notes to the label editor.]

[Text in brackets alone are optional statements or alternative statements.]



INDOXACARB	GROUP	22A	INSECTICIDE
NOVALURON	GROUP	15	INSECTICIDE

# CSI 16-107H Insect Granule

[ABN: Doxem Insect Granule, Doxem IG, Doxem IG Bait, Doxem IGR]

[Granular][Granule][Insecticide][Bait]

[A granular insecticide bait for use to control crickets, including mole crickets, on lawns in residential, commercial, public and institutional landscaped areas, golf courses, parks, recreational areas, and sports and/or athletic fields; Listed crawling nuisance or occasional invader insect pests in crawl spaces, attics, basements of buildings or structures.]

[OR]

[Indoor/Outdoor granular insect bait for control of crickets (including mole crickets) and other listed crawling nuisance or occasional invader insect pests.]

[Indoors: Kills American cockroaches indoors. Kills Turkestan cockroaches indoors. Kills Oriental cockroaches indoors]

[Outdoors: For use outdoors to kill American cockroaches.]

### ACTIVE INGREDIENTS:

Indoxacarb ..... 0.22%

Novaluron ..... 0.1%

**OTHER INGREDIENTS:** ..... 99.68%

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

Contains 0.0022 lbs. of Indoxacarb and 0.001 lbs. Novaluron per pound.



ADAMA  
Consumer & Professional Solutions

**Manufactured for:**  
Control Solutions, Inc.  
5903 Genoa Red Bluff  
Pasadena, TX 77507

EPA Reg. No: 53883-457  
EPA Est. No: \_\_\_\_\_  
Net Contents: \_\_\_\_\_  
{Lot number will be printed on container}

## KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
<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>
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® International for emergency medical treatment at (866) 897-8050.	

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

**USER SAFETY RECOMMENDATIONS**

**USERS SHOULD:** Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 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. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and 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 rinsewater. Do not apply where/when conditions could favor runoff. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

**PHYSICAL OR CHEMICAL HAZARDS**

Do not mix or allow contact with oxidizing agents, as a hazardous chemical reaction may occur.

**DIRECTIONS FOR USE**

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

This product is a granular insecticide bait for use to control listed crawling nuisance or occasional invader insect pests indoors including, but not limited to, crawl spaces, attics, basements of buildings or structures. For use outdoors to kill American cockroaches.

For turfgrass applications this product is intended only for use on turfgrass intended for aesthetic purposes or climate modification to control crickets, including mole crickets, on lawns in residential, commercial, public and institutional landscaped areas, grounds, golf courses, parks, recreational areas, and sports and/or athletic fields.

**USE RESTRICTIONS**

- Not for use on turfgrass being grown for sale or other commercial use, or for commercial seed production.
- Do not allow CSI 16-107H Insect Granule to contact any food or feed.
- Not for use in nurseries and greenhouses.
- Do not allow livestock or domestic animals to consume the bait or graze in treated areas.
- Do not exceed 200 total pounds of CSI 16-107H Insect Granule (0.44 lbs. indoxacarb, 0.2 lbs. novaluron) per acre per season for broadcast applications in turfgrass.
- Do not formulate this product into other end-use products.

**RESISTANCE MANAGEMENT INFORMATION**

For resistance management, please note that CSI 16-107H Insect Granule contains a Group 22A/Indoxacarb and Group 15/Novaluron insecticide. Any insect population may contain individuals naturally resistant to CSI 16-107H Insect Granule and other Group 22A or 15 insecticides. The

resistant individuals may dominate the insect population if these 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 CSI 16-107H Insect Granule within a season, or among seasons, with different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, 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.
- For further information or to report suspected resistance contact your local Control Solutions, Inc. product distributor.

*[Resistance management text and mode of action boxes are optional on packaging intended for use by consumers.]*

## OUTDOOR APPLICATIONS

### Outdoor Broadcast Application:

CSI 16-107H Insect Granule may be applied as a broadcast application at the rate of 50 to 200 pounds of product per acre. Calibrate and adjust equipment prior to application to ensure that the proper rate of product is uniformly applied over the treatment area. Repeat application after 7 days, if necessary.

This product may be broadcast on turf grasses grown for aesthetic or recreational purposes or climatic modification in or around home lawns, residential dwellings, business and office complexes, shopping complexes, multifamily residential complexes, institutional buildings, airports, cemeteries, parks, playgrounds, schools, golf courses (tee box areas, roughs, fairways, greens, collars etc.), sports and/or athletic fields, and other similar landscape turf areas.

**CRICKET CONTROL:** CSI 16-107H Insect Granule contains the active ingredient indoxacarb in a formulation that is highly attractive to house crickets, field crickets and mole cricket adults and nymphs. CSI 16-107H Insect Granule should be applied in the spring to control adult mole crickets before they lay eggs and in the late summer and fall to control large nymphs and newly emerged adults. For best results, apply in late afternoon to areas of turf grass that are infested with mole crickets. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets to the soil surface where exposure to CSI 16-107H Insect Granule will be maximized. For optimal effectiveness, allow grass that is wet with dew, rainfall or irrigation to dry before application. Treatment remains effective up to 14 days despite dew, rainfall, or irrigation events.

### Outdoor Broadcast Application Rates:

Target Pests	Oz. Product Per 100 Ft <sup>2</sup>	Lbs. Product Per 1,000 Sq. Ft.	Lbs. Product Per Acre	Lbs. A.I./Acre
mole cricket adults and nymphs <i>Scapteriscus</i> spp.	1.84 – 7.36	1.15 – 4.6	50 - 200	0.11 – 0.44 (indoxacarb)
house crickets field crickets earwigs				0.05 – 0.2 (novaluron)

silverfish ants (except fire ants, harvester ants, carpenter ants and pharaoh ants)				
American, Turkestan and Oriental Cockroaches	3.68 – 7.36	2.3 – 4.6	100 - 200	0.22 – 0.44 (indoxacarb)  0.1 – 0.2 (novaluron)

**Perimeter Application:**

To kill pests, listed in table above, apply to ground area in a band up to 10 feet wide around and adjacent to the structure.

**Boundary Application:**

To kill pests, listed in table above, apply to soil areas, fence lines, ornamental gardens, pavement crevices, planter areas, vegetation areas, mulch areas and xeriscape areas.

**Perimeter Application Rates:**

Application Rate: Lbs. Per 1,000 sq. ft.	Band Width	Lbs. of CSI 16-107H Insect Granule for Perimeter Applications Linear Distance (feet) Around Structure							
		100	150	200	250	300	400	500	1000
1.15	5 feet	0.7	1.0	1.3	1.6	1.8	2.4	3.0	5.9
1.15	10 feet	1.5	2.1	2.7	3.3	3.8	4.8	6.1	11.8
2.3	5 feet	1.3	1.9	2.5	3.1	3.6	4.8	5.9	11.7
2.3	10 feet	3.0	4.2	5.3	6.5	7.6	9.9	12.2	23.7
3.0	5 feet	1.7	2.5	3.2	4.0	4.7	6.2	7.7	15.2
3.0	10 feet	3.9	5.4	6.9	8.4	9.9	12.9	15.9	30.9
3.5	5 feet	2.0	2.9	3.8	4.6	5.5	7.3	9.0	17.8
3.5	10 feet	4.6	6.3	8.1	9.8	11.6	15.1	18.6	36.1
4.0	5 feet	2.3	3.3	4.3	5.3	6.3	8.3	10.3	20.3
4.0	10 feet	5.3	7.3	9.3	11.3	13.3	17.3	21.3	41.3
4.6	5 feet	2.7	3.8	5.0	6.1	7.3	9.6	11.9	23.4
4.6	10 feet	6.0	8.3	10.6	12.9	15.2	19.8	24.4	47.4

**INDOOR APPLICATIONS**

CSI 16-107H Insect Granule may be used to control house crickets, field crickets, earwigs, silverfish and ants (except fire ants, harvester ants, carpenter ants and pharaoh ants) in crawl spaces, basements and attics of residential, industrial and commercial buildings or structures. CSI 16-107H Insect Granule will kill American, Turkestan and Oriental Cockroaches that consume the bait granules when placed in crawl spaces and basements of residential, industrial and commercial buildings or structures, but this type of application alone is not intended to provide complete control of an indoor cockroach infestation.

Target Pests	Application Site	Application Method	Application Rate	Specific Use Instructions
house crickets,	Crawl	Perimeter	2 oz./10 linear	Apply along the edge of crawl

field crickets, American, Turkestan and Oriental Cockroaches, earwigs, and, ants (except fire ants, harvester ants, carpenter ants and pharaoh ants)	Spaces and Drop Ceilings		feet	space or drop ceiling in a band approximately 6 – 12 inches wide. Monitor the crawl space area and re-apply bait granules only as needed.
		Broadcast	1.15 lbs./1,000 sq. ft. 2.3 lbs./1,000 sq. ft. <sup>1</sup> (American, Turkestan, and Oriental cockroaches only)	Monitor the crawl space or drop ceiling area and re-apply bait granules only as needed.
	Basements, Machine Rooms, Trash Compactor Rooms, Elevator Pits, Trash Shoots	Perimeter	2 oz./10 linear feet	For unfinished basements not actively used as living area, apply bait granules along the edge of walls in a band approximately 6 - 12 inches wide. Avoid areas accessible to children and pets. Monitor the area treated and reapply bait granules only as needed.
		Bait Stations <sup>2</sup>	2 – 4 oz. per bait station	For use in finished or unfinished basements. Rate will depend on the bait station design and size. Use commercially available bait stations designed for bait granule formulation insecticides. Place bait stations containing the granules in areas of the basement that are accessible to insect pests but not accessible to children and pets. Monitor the bait stations and replace bait granules as needed.
	Structural Voids Including Electrical and Plumbing Chases	Broadcast	1.15 lbs./1,000 sq. ft.	Monitor the void area and re-apply bait granules only as needed.
			2.3 lbs./1,000 sq. ft. <sup>1</sup> (American, Turkestan, and Oriental cockroaches only)	

house crickets field crickets silverfish	Attics <sup>3</sup>	Broadcast	1.15 lbs./1,000 sq. ft.	Broadcast using a hand spreader. Monitor the attic area treated and re-apply bait granules only as needed.
		Bait Stations	2 – 4 oz. per bait station	Rate will depend on the bait station design and size. Use commercially available bait stations designed for bait granule formulation insecticides. The number of bait stations placed in the attic space will depend on the level of the infestation. Monitor the bait stations and replace bait granules as needed.

<sup>1</sup> Equivalent to 3.86 oz. per 100 sq. ft.

<sup>2</sup> Do not allow CSI 16-107H Insect Granule to contact any food or feed being stored in an unfinished or finished basement.

<sup>3</sup> Apply only to attic space not being used as a living area.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place in the original container only. Do not store this product under wet conditions. Store only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

**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:**

**[Plastic Containers, Bags or Fiber Sacks including Flexible Intermediate Bulk Containers (FIBC) or Fiber Drums with Liners] Non-refillable container.** Do not reuse or refill this container. Completely empty plastic container or bag or fiber sack into manufacturing or application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application or manufacturing equipment. Then offer for recycling, if available or dispose of empty plastic container, bag, fiber sack or fiber drum with liner in a sanitary landfill, or by other procedures allowed by state and local authorities.

#### LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any



claims relating to such factors.

Control Solutions, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. **CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

**IT IS CONTROL SOLUTIONS INC., AND SELLERS INTENTION THAT** in no event shall Control Solutions or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF CONTROL SOLUTIONS, INC., AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF CONTROL SOLUTIONS, INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Control Solutions, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of Control Solutions, Inc.

[Quali-Pro® is a registered trademark of Control Solutions, Inc.]

***[Optional Marketing Claims:]***

- Easy-to-use
- Contains an insect growth regulator [IGR]
- For use indoors and outdoors
- Easy to apply
- Odorless
- Convenient to use
- Ready to use bait
- [Two][2] Active Ingredients to [Combat] [Manage] Resistance
- Formulated in the USA
- For use in/around structures, residential, turf and commercial facilities
- For use outdoors to control [crickets][, listed cockroaches][, mole crickets][and][silverfish]
- Weather resistant for up to 14 days
- Continues to work even after rainfall events for up to 14 days
- Survives rain events for up to 14 days
- Survives [rain] [irrigation] events for up to 14 days for crickets
- Effective even after [rain] [events] [episodes] for up to 14 days
- Effective even after [rain] [irrigation] [events] [episodes] for up to 14 days for crickets



# . Bait Solutions

## *[Efficacy Related Claims]*

- Starts killing crickets in 24 hours
- Controls millipedes
- Starts Killing Listed Cockroaches in 48 to 72 hours
- Reduces turf damage by mole cricket tunneling [[verses][vs]untreated turf]
- Reduces mole cricket population [in treated][areas][turf]
- Kills mole crickets