



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 12, 2025

Haley Wade  
Lead Regulatory Manager  
Control Solutions, Inc.  
5903 Genoa Red Bluff  
Pasadena, TX 77507

Subject: PRIA Label and CSF Amendment – Addition of Alternate CSFs 1 and 2, efficacy data, and label revisions  
Product Name: CSI 16-107H Insect Granule  
EPA Registration Number: 53883-457  
Application Date: 05/16/2023  
Case Number: 482603

Dear Haley Wade:

The amended label and Confidential Statement(s) of Formula (CSFs) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 01/31/2020
- Alternate CSF 1 dated 08/14/2024
- Alternate CSF 2 dated 08/14/2024

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 FIFRA 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) lists 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.

The alternate brand name, "**Doxem IGR**" has been added to the product record.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

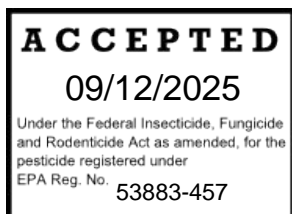
If you have any questions, please contact David Gardner at (202) 566-2677 or at [gardner.david@epa.gov](mailto:gardner.david@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Tamica Cain".

Tamica Cain, Product Manager 10  
Invertebrate & Vertebrate Branch 2  
Registration Division (7505T)

Enclosure



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]

For both indoor and outdoor use.

[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, sports fields, and athletic fields, and listed crawling nuisance and occasional invader insect pests in crawl spaces, attics, and basements of buildings or structures.]

[OR]

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

[Indoors: Kills cockroaches.]

[Outdoors: For use outdoors to kill 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.



**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

[See Back Panel for Additional Precautionary Statements]

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. This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks after application. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent runoff to water bodies or drainage systems.

**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.

**Product [General] Information**

This product is a [ready-to-use] granular insecticide bait for use indoors and outdoors to control listed crawling, occasional invader, and nuisance insect pests.

[Indoor applications include, but are not limited to, crawl spaces, attics, basements of buildings or structures.].

[For turfgrass applications: This product is intended only for use on turfgrass grown for aesthetic purposes or climate modification such as lawns in residential, commercial, public, and institutional landscaped areas, grounds, golf courses, parks, recreational areas, sports fields, and athletic fields to control cockroaches, crickets, including mole crickets, and other listed pests.]

## 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 year for broadcast applications in turfgrass.
- Do not formulate this product into other end-use products.
- Do not allow to enter indoor or outdoor drains. *No permita la entrada a desagües internos o externos.*



- Follow proper disposal procedures on this label. *Siga las indicaciones del etiquetado para el desecho apropiado del product.*
- Do not apply the product into fish pools, ponds, streams, or lakes unless for labelled water treatment.
- Do not apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, unless for labelled sewer or drain or water treatment.
- Do not allow the product to enter any drain during or after application unless for labelled drain treatment.
- Do not apply or irrigate to the point of runoff.
- Do not make applications during rain.
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.
- Treat surfaces to ensure thorough coverage but avoid runoff.

## RESISTANCE MANAGEMENT INFORMATION

For resistance management, please note that CSI 16-107H Insect Granule contains a Group 22/Indoxacarb and Group 15/Novaluron insecticide. Any insect population may contain individuals naturally resistant to CSI 16-107H Insect Granule and other Group 22 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 with different groups that control the same pests.
- Adopt an integrated pest management program for insecticide use that includes inspecting, 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: [\*Not registered for use by New York]

CSI 16-107H Insect Granule may be applied as a broadcast application at the rate of 50 to 200 pounds of product per acre [1.15 to 4.6 pounds of product per 1,000 sq. ft.]. Calibrate and adjust equipment prior to application to ensure that the proper rate of product is uniformly applied over the treatment area. Repeat application as needed.

This product may be broadcast on turf grasses grown for aesthetic 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 fields, 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: [\*Not registered for use by New York]

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 crickets (adults and nymphs <i>Neoscapteriscus</i> spp.)	1.84 – 7.36	1.15 – 4.6	50 - 200	0.11 – 0.44 (indoxacarb)  0.05 – 0.2 (novaluron)
Cockroaches (including American, German, and Asian), crickets (including house, field and camel), earwigs, silverfish, firebrats, ants (except fire ants, harvester ants, carpenter ants and pharaoh ants), millipedes, sowbugs, and pillbugs	1.6 – 7.36	1.0 – 4.6	43.6 – 200	0.11 – 0.44 (indoxacarb)  0.05 – 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, mulched areas, fence lines, ornamental gardens, pavement crevices, planter areas, vegetation 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
1.0	5 feet	0.50	0.75	1.00	1.25	1.50	2.00	2.50	5.00
1.0	10 feet	1.00	1.50	2.00	2.50	3.00	4.00	5.00	10.00
1.15	5 feet	0.58	0.86	1.15	1.44	1.73	2.30	2.88	5.75
1.15	10 feet	1.15	1.73	2.30	2.88	3.45	4.60	5.75	11.50
2.3	5 feet	1.15	1.73	2.30	2.88	3.45	4.60	5.75	11.50
2.3	10 feet	2.30	3.45	4.60	5.75	6.90	9.20	11.50	23.00
3.0	5 feet	1.50	2.25	3.00	3.75	4.50	6.00	7.50	15.00
3.0	10 feet	3.00	4.50	6.00	7.50	9.00	12.00	15.00	30.00
3.5	5 feet	1.75	2.63	3.50	4.38	5.25	7.00	8.75	17.50
3.5	10 feet	3.50	5.25	7.00	8.75	10.50	14.00	17.50	35.00
4.0	5 feet	2.00	3.00	4.00	5.00	6.00	8.00	10.00	20.00
4.0	10 feet	4.00	6.00	8.00	10.00	12.00	16.00	20.00	40.00
4.6	5 feet	2.30	3.45	4.60	5.75	6.90	9.20	11.50	23.00
4.6	10 feet	4.60	6.90	9.20	11.50	13.80	18.40	23.00	46.00

]

**INDOOR APPLICATIONS**

CSI 16-107H Insect Granule may be used to control cockroaches, house crickets, field crickets, earwigs, silverfish, and ants (except fire ants, harvester ants, carpenter ants and pharaoh ants) indoors, including in crawl spaces, basements and attics of residential, industrial, and commercial buildings or structures. CSI 16-107H Insect Granule will kill cockroaches [including American, German, and Asian cockroaches] that consume the bait granules when placed in harborage areas [including 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
Cockroaches (including American, German and Asian), Crickets (house, camel, and field), earwigs, and, ants (except fire, harvester, carpenter, and	Crawl Spaces and Drop Ceilings	Perimeter	2 oz./10 linear feet	Apply along the edge of crawl 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	1.0 – 4.6 lbs./1,000 sq. ft.	Monitor the crawl space or drop ceiling area and re-apply bait granules only as needed.
	Basements <sup>1</sup> , Machine	Perimeter	2 oz./10 linear feet	For unfinished basements not actively used as a living area,

pharaoh ants), silverfish, firebrats, millipedes, pillbugs, and sowbugs	Rooms, Trash Compactor Rooms, Elevator Pits, Trash Shoots			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>1</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	1.0 – 4.6 lbs./1,000 sq. ft.	Monitor the void area and re-apply bait granules only as needed.
Cockroaches (including American, Asian, and German), crickets, silverfish, firebrats	Attics <sup>2</sup>	Broadcast	1.0 – 4.6 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> Do not allow CSI 16-107H Insect Granule to contact any food or feed being stored in an unfinished or finished basement.

<sup>2</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. Do not pour or dispose of down the drain or sewer. Call your local solid waste agency for local disposal options.

#### 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. To the extent consistent with applicable law, 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. To the extent consistent with applicable law, 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. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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.**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, 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]
- Survives [rain] [irrigation] events for up to 14 days for crickets
- Effective even after [rain] [irrigation] [events] [episodes] for up to 14 days for crickets



• **BaitSolutions**

***[Efficacy Related Claims]***

- Starts killing crickets in 24 hours
- Controls millipedes
- Starts killing listed cockroaches in 48 to 72 hours\* (Except German cockroaches)
- Reduces turf damage by mole cricket tunneling [[verses][vs]untreated turf]
- Reduces mole cricket population [in treated][areas][turf]
- Kills mole crickets
- Kills cockroaches indoors and outdoors
- Use indoors or outdoors
- Use for [large] cockroaches [outdoors]
- Two modes of action
- [Two] [2] modes of action
- [Two] [2] active ingredients
- Contains Indoxacarb
- Contains Novaluron [IGR]
- For use [indoors] [and][or] outdoors to control [cockroaches][crickets][silverfish]
- For use [indoors] [and][or] outdoors to control [listed pest]
- For [both][interior] [indoor] [and] [exterior] [outdoor] use
- For use on turf
- For turf use

- Kills [listed pests]
- Insect killer [bait] granules
- Granular insect bait
- Controls [listed pests]
- Kills and controls [listed pests]
- Won't harm [plants] [blooms] [your lawn]
- Won't [damage] [harm] [your lawn] [turf] [grass] [turfgrass]
- Treats up to 25,000 sq. feet. [for a 25 lb bag] {Based on rate of 1 lb/1000 ft2.}
- [This [bottle] [bag] [package] treats up to 25,000 square feet [for a 25 lb bag] {Based on rate of 1 lb/1000 ft2.}
- Ready-to-use bait [granules]
- Weather resistant for up to 14 days\* \*on American Cockroaches
- Continues to work after rains for up to 14 days\* \*on American Cockroaches
- Survives rain events for up to 14 days\* \*on American Cockroaches
- Effective after irrigation for up to 14 days \*on American cockroaches
- Effective after rain episodes for up to 14 days \*on American cockroaches
- Bait continues to work on American cockroaches after irrigation
- Bait continues to work on American cockroaches after rain
- Bait continues to work on American cockroaches after wetting
- Kills American cockroaches within 6 days [when applied] outdoors
- Continues to Kill American cockroaches when exposed to rain events [within/in 12 days]
- Continues to Kill American cockroaches when exposed to irrigation events [within/in 12 days]
- Matrix is Attractive to American cockroaches
- Bait is attractive to American cockroaches
- Optional images/icons:

