



U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

100-1736

Date of Issuance:

9/15/23

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

ADVION TOTAL INSECT BAIT

Name and Address of Registrant (include ZIP Code):

Ronald Hampton, Ph.D  
Syngenta Crop Protection, LLC  
P. O. Box 18300  
Greensboro, NC 27419

**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)(A). 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:

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

Date:

9/15/23

2. You are required to comply with the data requirements described in the DCI identified below:

a. Indoxacarb GDCI-067710-1382

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 07/26/2023
- Alternate Formulation #1 dated 07/26/2023

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

Enclosure

**ACCEPTED**

09/15/2023

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 100-1736

[Master Label]

INDOXACARB	GROUP	22A	INSECTICIDE
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**Advion® Total Insect Bait****Insecticide**

A granular bait for indoor and outdoor control of cockroaches, crickets (including mole crickets), nuisance ants, and listed crawling insect pests in and around residential, commercial, public, and institutional buildings.

**Active Ingredient:**

Indoxacarb

(S)-methyl 7-chloro-2,5-dihydro-2-[[[(methoxycarbonyl)[4(trifluoromethoxy)phenyl]amino]carbonyl]indeno[1,2-e][1,3,4]oxadiazine-4a-(3H)carboxylate ..... 0.22%

Other Ingredients	99.78%
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Total:	100.00%
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**KEEP OUT OF REACH OF CHILDREN****CAUTION/PRECAUCIÓN**

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.)

EPA Reg. No.100-1736

EPA Est. No.

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Net Contents

### **FIRST AID**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment

### **HOTLINE NUMBER**

For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical  
Emergency Assistance (Spill, Leak, Fire, or Accident),  
Call  
**1-800-888-8372**

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Avoid contact with skin, eyes or clothing.

### **Personal Protective Equipment**

#### **Applicators and other handlers must wear:**

- Shoes plus socks.
- Long-sleeved shirt and long pants

## **USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **USER SAFETY RECOMMENDATIONS**

**USERS SHOULD:** Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or 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 washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 24 hours. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

Do not apply to any impervious surfaces which may contact or lead directly to surface water, storm drains, or urban runoff conveyance systems (gutters). Sweeping any product that lands on an impervious surface back onto pervious surfaces will prevent runoff to water bodies or drainage systems. Cover, incorporate, or clean up granules that are spilled.

## PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agent. 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.

Read entire label before using this product. To the extent consistent with applicable law, Syngenta will not be responsible for losses or damages resulting from use of this product in any manner not specifically stated on this label or other labels or bulletins published by Syngenta. User assumes all risks associated with such non-specified use.

## PRODUCT INFORMATION

Advion® Total Insect Bait is a ready-to-use granular bait that contains the active ingredient indoxacarb. When applied according to label use directions, Advion Total Insect Bait controls the wide range of insect pests listed in Table 1.

## RESISTANCE MANAGEMENT

INDOXACARB	GROUP	22A	INSECTICIDE
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For resistance management, Advion Total Insect Bait contains a Group 22A insecticide. Any insect population may contain individuals naturally resistant to Advion Total Insect Bait and other Group 22A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same treated areas. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Advion Total Insect Bait or other Group 22A insecticides 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.

Contact your local Syngenta representative, retailer, or extension specialist 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 Syngenta at 1-866-SYNGENT(A) (866-796-4368). Syngenta encourages responsible product stewardship to ensure effective long-term control of the insects on this label.

## **USE RESTRICTIONS**

- Not for use on turfgrass that is being grown for seed or on commercial sod farms.
- 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 apply indoors to areas accessible to children or pets.
- DO NOT allow Advion Total Insect Bait to contact any food or feed.
- Do not apply this product through any type of irrigation system.
- DO NOT exceed 4.6 pounds of Advion Total Insect Bait per 1000 sq ft per year or 3.2 pounds of Advion Total Insect Bait per 100 linear ft applied in a 7 ft band (equal to 0.44 lb active ingredient per acre per year).
- Do not formulate this product into other end-use products.

## **OUTDOOR APPLICATION**

Advion Total Insect Bait contains the active ingredient indoxacarb in a formulation that is highly attractive to the pests listed in the following table.

**Table 1. Treatment Rates and Pests Controlled**

<b>Inside and around residential dwellings, business and office complexes, shopping complexes, multi-family residential complexes, institutional buildings, airports, cemeteries, parks, playgrounds, schools, including lawns and landscapes, sports and athletic fields, and other similar landscape turf areas</b>			
<b>Pest Controlled</b>	<b>lb product/ 1,000 sq ft</b>	<b>lb product/ 100 linear ft</b>	<b>lb AI/ acre</b>
ants, including tawny crazy ants (except red imported fire ants, harvester ants, carpenter ants and pharaoh ants) earwigs field crickets house crickets millipedes <sup>[3]</sup> mole cricket adults and nymphs ( <i>Scapteriscus</i> spp.) <sup>[4]</sup> silverfish	0.38 to 4.6 <sup>1</sup>	0.27 to 3.2 <sup>1</sup>	0.037 to 0.44
cockroaches	1.15 to 4.6 <sup>2</sup>	0.81 to 3.2 <sup>2</sup>	0.11 to 0.44

<sup>1</sup> equivalent to 0.61 to 7.36 oz per 100 sq ft

<sup>2</sup> equivalent to 1.84 to 7.36 oz per 100 sq ft

[<sup>3</sup> not registered for use in California]

[<sup>4</sup> minimum rate is 1.15 lb per 1000 sq ft in California]

### **Structural Perimeter-Band Application**

To control pests listed in the table above except mole crickets, apply to ground area in a band up to 7 feet wide around and adjacent to the structure. For mole cricket control, see section on Limited Area Applications.

### **Landscape Boundary Application**

To control pests listed in the table above, apply to fence lines, ornamental gardens, pavement crevices, planter areas, and soil, vegetation, and mulched areas.

### **Limited Area Applications (Spot Treatment) for Listed Pests in Lawns and Landscapes**

Apply Advion Total Insect Bait at a rate of 0.38 to 4.6 lb product per 1000 sq ft. as a limited area treatment. Repeat application after 7 days, if necessary. To control adult mole crickets before they lay eggs, Advion Total Insect Bait should be applied in the spring. To control mole cricket nymphs and newly emerged adults, apply Advion Total Insect Bait in the late summer and fall. For best results, apply in late afternoon to areas of turfgrass that are infested with mole crickets, show evidence of mole cricket damage or have a history of mole cricket infestation. 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 Advion Total Insect Bait will be maximized.

**Bait Station** - Apply bait using commercial bait stations suitable for granular insect bait. Place 2 to 4 oz of bait in each bait station depending on the bait station design and size. The number of bait stations placed in the treated area will depend on the size of the area and the level of the infestation. Monitor the bait stations and replenish bait granules as needed.

**Table 2. Outdoor Perimeter-Band Application Rates**

Application Rate lb/1,000 sq ft	Band Width (feet)	lb of Advion Total Insect Bait for Perimeter Applications Linear Distance (feet) Around Structure							
		100	150	200	250	300	400	500	1000
0.38	5	0.19	0.29	0.38	0.48	0.57	0.76	0.95	1.90
0.38	7	0.27	0.40	0.53	0.67	0.80	1.06	1.33	2.66
0.5	5	0.25	0.38	0.50	0.63	0.75	1.00	1.25	2.50
0.5	7	0.35	0.53	0.70	0.88	1.05	1.40	1.75	3.50
1.15	5	0.58	0.86	1.15	1.44	1.73	2.30	2.88	5.75
1.15	7	0.81	1.21	1.61	2.01	2.42	3.22	4.03	8.05
2.3	5	1.15	1.73	2.30	2.88	3.45	4.60	5.75	11.50
2.3	7	1.61	2.42	3.22	4.03	4.83	6.44	8.05	16.10
3.0	5	1.50	2.25	3.00	3.75	4.50	6.00	7.50	15.00
3.0	7	2.10	3.15	4.20	5.25	6.30	8.40	10.50	21.00
3.5	5	1.75	2.63	3.50	4.38	5.25	7.00	8.75	17.50
3.5	7	2.45	3.68	4.90	6.13	7.35	9.80	12.25	24.50
4.0	5	2.00	3.00	4.00	5.00	6.00	8.00	10.00	20.00
4.0	7	2.80	4.20	5.60	7.00	8.40	11.20	14.00	28.00
4.6	5	2.30	3.45	4.60	5.75	6.90	9.20	11.50	23.00
4.6	7	3.22	4.83	6.44	8.05	9.66	12.88	16.10	32.20

## INDOOR APPLICATION

Advion Total Insect Bait may be used to control the pests listed in Table 3 in crawl spaces, finished and unfinished basements and attics of residential, industrial and commercial buildings or structures. Advion Total Insect Bait will kill cockroaches that consume the bait granules when placed in attics, 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. Monitor the treated area and reapply bait granules only as needed.

For use in food or feed handling establishments, see section below.

**Crack & Crevice and Void Application** – Apply bait into cracks and crevices or voids at a rate up to 2 oz per 10 linear feet using a bulb applicator or other equipment for applying granular bait into cracks & crevices or voids.

**Scatter Application** - Apply bait as scatter treatment at rate of 0.38 lb to 4.6 lb of product per 1,000 sq ft. The minimum application rate for cockroaches is 1.15 lb product per 1,000 sq ft (equivalent to 1.84 oz per 100 sq ft).

**Perimeter Band Treatment** - Apply bait along walls in a band approximately 6 to 12 inches wide at rate of 2 oz bait granules per 10 linear feet.

**Bait Station** - Apply bait using commercial bait stations suitable for granular insect bait. Place 2 to 4 oz of bait in each bait station depending on the bait station design and size. The number of bait stations placed in the treated area will depend on the size of the area and the level of the infestation.

**Table 3. Indoor Treatment Methods and Pests Controlled**

<b>Pests Controlled</b>	<b>Treatment Method</b>	<b>Treatment Location</b>	<b>Treatment Rate</b>
ants, including tawny crazy ants (except fire ants, harvester ants, carpenter ants and pharaoh ants) cockroaches <sup>1</sup> earwigs field crickets house crickets millipedes <sup>[2]</sup> silverfish	Crack & Crevice, Void treatment	• Indoors	up to 2 oz per 10 linear feet
	Scatter baiting	• Crawl spaces • Attics (uninhabited)	up to 7.36 oz per 100 square feet
	Perimeter band	• Crawl spaces • Unfinished basements • Attics (uninhabited)	up to 2 oz per 10 linear feet in a band 6 to 12 inches wide
	Bait station	• Crawl spaces • Unfinished basements • Finished basements • Attics	2 to 4 oz per bait station (number of bait stations will depend on the level of infestation)

<sup>1</sup> minimum application rate for cockroaches is 1.84 oz per 100 sq ft

[<sup>2</sup> not registered for use in California]

**DO NOT** apply to areas accessible to children and pets.

## **FOOD- AND FEED-HANDLING ESTABLISHMENTS**

Food-handling establishments are places other than private residences in which food is held, processed, prepared or served.

### **Applications in Non-food/Non-feed Areas**

Advion Total Insect Bait may be used to control listed pests in residential structures and the non-food areas of commercial, industrial, public and institutional buildings/structures, including restaurants, warehouses, food processing plants, supermarkets, hospitals, nursing homes, motels, hotels, schools, daycares, laboratories, computer facilities, aircraft, buses, boats/ships, trains, and pet shops.

Non-food and non-feed areas include areas such as garbage rooms, lavatories, floor drains (to sewers), entries, and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after bottling or canning). Refer to section below for use directions and restrictions when making applications in food- and feed-handling areas of Food and Feed Handling Establishments.

### **Applications in Food/Feed Areas**

Food- and feed-handling areas include areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing edible waste storage, and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas are also considered a food/feed area when food is exposed and facility is in operation.

Apply between different elements of construction, between floor and equipment, openings to voids and hollow spaces in walls, bases and equipment or using bait stations.

### **Specific Restrictions for Food- and Feed-Handling Establishments**

- **DO NOT** apply to areas or surfaces where food/feed, food utensils or food-processing surfaces may come into contact and become contaminated.
- **DO NOT** apply to areas that are routinely washed, such as tops of tables, food/feed preparation and prepared food-holding surfaces.

## **STORAGE AND DISPOSAL**

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

### **Pesticide Storage**

Store product in original container only in a location inaccessible to children and domestic animals/pets. Store in a cool, dry place and avoid excessive heat.

### **Pesticide Disposal**

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

### **Container Disposal**

Non-refillable container. Do not reuse or refill this container. Completely empty plastic container or plastic bag into application equipment by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling, if available or dispose of plastic container, plastic bag or fiber sack in a sanitary landfill, or by other procedures approved by state and local authorities.

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## CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

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**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 must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA 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 permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA 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 SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA 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 SYNGENTA.

Advion<sup>®</sup>, the ALLIANCE FRAME  
the SYNGENTA Logo and the PURPOSE ICON  
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For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-866-796-4368
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Manufactured for:  
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Greensboro, North Carolina 27419-8300

Advion Total Insect Bait XXXX NEW-D 0922-CL-jd-9/15/23  
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