



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 17, 2020

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

Subject: Registration Review Label Mitigation for Indoxacarb  
Product Name: Advion Fire Ant Bait  
EPA Registration Number: 100-1481  
Application Date: May 17, 2019  
Decision Number: 561367

Dear Dr. Hampton:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Indoxacarb Interim Decision, and has concluded that your submission is acceptable. The agency also completed review of your amended label referred to above, submitted in connection with registration under FIFRA, as amended, and has determined the label is also acceptable.

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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label 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.

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If you have any questions about this letter, please contact Srijana Shrestha by phone at 703-305-6471, or via email at [Shrestha.srijana@epa.gov](mailto:Shrestha.srijana@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read 'Linda Arrington', with a stylized flourish at the end.

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

[Master label]

[Not for sale and distribution in California]

**INDOXACARB** | **GROUP** **22A** | **INSECTICIDE**

## Advion® Fire Ant Bait

### Insecticide

For control of imported fire ants, bigheaded ants, pavement ants, and turfgrass ants on lawns, recreational areas, golf courses and fenced pastures grazed by horses and other companion animals

For control of imported fire ants in commercial nursery production of field and container-grown ornamentals and non-bearing fruit and nut trees and turf grass sod on sod farms

Active Ingredient:	
Indoxacarb*:	0.045%
Other Ingredients:	99.955%
Total:	100.000%

Advion® Fire Ant Bait is a ready-to-use granular bait containing 0.00045 lb indoxacarb per lb product.

\*CAS No. 173584-44-6

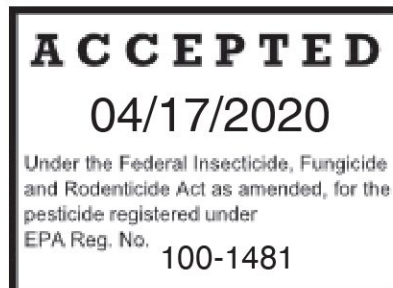
**KEEP OUT OF REACH OF CHILDREN.**

## 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. 100-1481  
EPA Est. XXXX

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# 1.0 FIRST AID

## FIRST AID

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

### HOT LINE NUMBER

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

# 2.0 PRECAUTIONARY STATEMENTS

## 2.1 Hazards to Humans and Domestic Animals

### CAUTION

## 2.2 Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

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

### 2.2.1 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.

### 2.2.2 User Safety Recommendations

#### Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

## 2.3 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 rinsewater. 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 likely 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.

## DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms (sod farms included), forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable).

**Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.**

For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear:

- Coveralls
- Chemical resistant gloves (made of any waterproof material)
- Shoes plus socks

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides, 40 CFR part 170. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until the application is complete.

## 3.0 PRODUCT INFORMATION

Advion Fire Ant Bait may be applied to control imported fire ants, bigheaded ants, pavement ants and turfgrass ants in: residential lawns and landscaped areas; commercial properties; institutional sites; sports and recreational turf; non-agricultural areas; and non-cropped areas.

Advion Fire Ant Bait may be applied to control imported fire ants, bigheaded ants, pavement ants and turfgrass ants in fenced pastures if grazed **only** by companion animals (i.e., animals not raised for production of meat or milk).

Advion Fire Ant Bait also may be applied to control imported fire ants in commercial nursery production of field- and container grown-ornamentals and non-bearing fruit and nut trees; and commercial production of turf grass sod on sod farms.

Refer to the Use Directions table in **Section 6.0** for specific treatment site examples where this product may be used to control listed pests.

### 3.1 INSECT RESISTANCE MANAGEMENT

INDOXACARB	GROUP	22A	INSECTICIDE
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For resistance management, Advion Fire Ant Bait contains a Group 22A insecticide. Any insect population may contain individuals naturally resistant to Advion Fire Ant 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 Fire Ant 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.

## 4.0 APPLICATION DIRECTIONS

### 4.1 Methods of Application

Broadcast or individual mound treatments are permitted by ground application as specified in **Section 6.0**.

### 4.2 Application Equipment

- Apply with broadcast equipment capable of applying 1.5 pounds of Advion Fire Ant Bait per acre. Calibrate equipment before application.
- Use appropriate measuring utensils for individual mound treatments. Keep utensils used for measuring pesticides away from children.

## 5.0 RESTRICTIONS AND PRECAUTIONS

### 5.1 Use Restrictions

- **DO NOT** allow unprotected workers or other persons or pets in treated area during application.
- **DO NOT** apply product except on the sites and for the pests at the indicated rates and limitations specified in **Sections 6.0** of this label.
- **DO NOT** use kitchen utensils for measuring. Keep measuring utensils with pest control pesticides away from children.
- **DO NOT** allow livestock or domestic animals to consume the bait.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply in combination with other pesticides, fertilizers, and other biologically active materials as compatibility studies have not been completed.
- **DO NOT** formulate this product into other end-use products.
- **DO NOT** exceed 6 total pounds of product applied per acre per year (equal to 0.0027 pounds of active ingredient per acre per year).
- Not approved for use on bigheaded ants, pavement ants, and turfgrass ants in California.
- For fields to which applications of Advion Fire Ant Bait will be made, construct a vegetative filter strip if one does not already exist. Existing and new filter strips must be, at a minimum, 10-foot-wide and composed of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; estuaries; and commercial fish farm ponds). Vegetative filter strips must be maintained to optimize their utility. Only apply products containing indoxacarb onto fields where a maintained vegetative buffer strip of at least 10 feet exists between the field and down gradient aquatic habitat.



## 6.0 USE DIRECTIONS

### 6.1 Lawns, Recreational Areas, Golf Courses, and Non-crop/Non-grazed Areas

Use Sites			
Home lawns Fenced pastures Golf courses Athletic field and recreational turf Non-grazed and noncrop areas Parks and picnic areas Cemeteries <b>Uncultivated non-agricultural areas,</b> including: airports roadsides highway rights-of-way utility rights-of-way campgrounds industrial sites		<b>Institutional sites</b> defined as areas around properties or facilities providing a service to public or private organizations including, but not limited to: hospitals and nursing homes schools colleges and universities museums libraries sport facilities office buildings	
Target Pest	Rate	Application Timing	Use Directions
Imported fire ants - <i>Solenopsis</i> spp.	<b>Broadcast Treatment:</b> 1.5 lb/A	Apply at the first sign of imported fire ant, bigheaded ant, pavement ant or turfgrass ant activity.	<b>Broadcast Treatment:</b> Make application with broadcast equipment capable of applying 1.5 pounds of product per acre.
Bigheaded ants* <i>Pheidole megacephala</i>	<b>Individual Mound Treatment:</b> 4 level tablespoons (1/2 oz) per mound	Applications may be made at any time of the day, but are more effective when ants are actively foraging, usually when the soil surface temperature is above 60° F.  Up to 4 applications of Advion Fire Ant Bait may be applied per year, generally at 12-16 week intervals.	<b>Individual Mound Treatment:</b> Uniformly distribute the product 3-4 feet around the mound.
Pavement ants* <i>Tetramorium caespitum</i>			Do not disturb the mound.
Turfgrass ants* <i>Lasius neoniger</i>			Do not apply to tops of mound.
<b>Precautions:</b>			
<ul style="list-style-type: none"> <li>Rainfall or irrigation within 2 to 3 hours after application may reduce effectiveness and a repeat application within 7 days may be necessary to achieve the desired level of control.</li> </ul>			

- Do not apply if the area to be treated is wet with dew, irrigation or rainfall.

**USE RESTRICTIONS**

- Refer to **Section 5.1** for additional product use restrictions.
- Maximum Single Application Rate:** 1.5 lb/A/application (0.00068 lb ai/A of indoxacarb-containing products as a bait formulation)
- Minimum Application Interval:** 12 weeks under typical use conditions (7 days when a rainfall or irrigation has occurred within 2-3 hours of a treatment)
- Maximum Annual Rate:** 6 lb/A/year (0.0027 lb ai/A of indoxacarb-containing products as a bait formulation)

\* Not approved for use on this species in CA.

## 6.2 Commercial Nurseries and Sod Farms

Use Sites			
Ornamental plant nurseries (field grown and container grown plants and non-bearing fruit and nut trees)      Sod farms			
Target Pest	Rate	Application Timing	Use Directions
Imported fire ants - <i>Solenopsis</i> spp.	<b>Broadcast Treatment:</b> 1.5 lb/A	Apply at the first sign of imported fire ant activity.  Applications may be made at any time of the day, but are more effective when ants are actively foraging, usually when the soil surface temperature is above 60° F.	<b>Broadcast Treatment:</b> Make application with broadcast equipment capable of applying 1.5 pounds of product per acre.
	<b>Individual Mound Treatment:</b> 4 level tablespoons (1/2 oz) per mound	Retreat after 12-16 weeks if needed.	<b>Individual Mound Treatment:</b> Uniformly distribute the product 3-4 feet around the mound.  Do not disturb the mound.  Do not apply to tops of mound.
<b>Precautions:</b>			
<ul style="list-style-type: none"> <li>Rainfall or irrigation within 2 to 3 hours after application may reduce effectiveness and a repeat application within 7 days may be necessary to achieve the desired level of control.</li> </ul>			

- Do not apply if the area to be treated is wet with dew, irrigation or rainfall.

#### USE RESTRICTIONS

1. Refer to **Section 5.1** for additional product use restrictions.
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4. **Maximum Annual Rate:** 6 lb/A/year (0.0027 lb ai/A of indoxacarb-containing products as a bait formulation)

## 7.0 STORAGE AND DISPOSAL

### STORAGE AND DISPOSAL

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

#### Pesticide Storage

Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

#### Pesticide Disposal

Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

#### Container Handling [bags]

Non-refillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling if available or dispose of empty bag in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

#### Container Handling [jugs]

Non-refillable container. Do not reuse or refill this container. Completely empty jug into application equipment. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

## 8.0 CONDITIONS OF SALE AND 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 must 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, 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 the 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®, the ALLIANCE FRAME  
the Syngenta Logo and the PURPOSE ICON  
are Trademarks of a Syngenta Group Company

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For non-emergency (e.g. current product information), call  
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:  
Syngenta Crop Protection, LLC  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300

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000100-01481.20190516C. Advion Fire Ant Bait.AMEND.MAY2019-CL