

INDOXACARB	GROUP	22A	INSECTICIDE
NOVALURON	GROUP	15	INSECTICIDE



DOXEM IG

Granular 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.

- Starts killing crickets in 24 hours
- Weather resistant for up to 14 days
- For use indoors and outdoors

ACTIVE INGREDIENTS:

Indoxacarb0.22%
 Novaluron0.1%

OTHER INGREDIENTS:99.68%

TOTAL:100.00%

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

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

EPA Reg. No: 53883-457
 EPA Est. No: 88746-GA-01

NET CONTENTS: 4 POUNDS



0 72693 01021 5



ADAMA

Manufactured by:

**Control
Solutions Inc.**

A member of Adama
 Consumer and Professional Solutions
 5903 Genoa-Red Bluff, Pasadena, TX 77507

EPA 042220

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

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 **DOXEM IG** 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 **DOXEM IG** (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 **DOXEM IG** contains a Group 22A/Indoxacarb and Group 15/Novaluron insecticide. Any insect population may contain individuals naturally resistant to **DOXEM IG** 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 **DOXEM IG** 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.

OUTDOOR APPLICATIONS

Outdoor Broadcast Application:

DOXEM IG 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: **DOXEM IG** contains the active ingredient indoxacarb in a formulation that is highly attractive to house crickets, field crickets and mole cricket adults and nymphs. **DOXEM IG** 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 **DOXEM IG** 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 ²	Lbs. Product Per 1,000 Sq. Ft.	Lbs. Product Per Acre	Lbs. A.I./Acre
mole cricket adults and nymphs <i>Scapteriscus</i> spp. house crickets field crickets earwigs silverfish ants (except fire ants, harvester ants, carpenter ants and pharaoh ants)	1.84 – 7.36	1.15 – 4.6	50 - 200	0.11 – 0.44 (indoxacarb) 0.05 – 0.2 (novaluron)
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 DOXEM IG 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

DOXEM IG 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. **DOXEM IG** 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, field crickets, American, Turkestan and Oriental Cockroaches, earwigs, and, ants (except fire ants, harvester ants, carpenter ants and pharaoh ants)	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	1.15 lbs./1,000 sq. ft. 2.3 lbs./1,000 sq. ft. ¹ (American, Turkestan, and Oriental cockroaches only)	Monitor the crawl space or drop ceiling area and re-apply bait granules only as needed.

(continued)

Target Pests	Application Site	Application Method	Application Rate	Specific Use Instructions
house crickets, field crickets, American, Turkestan and Oriental Cockroaches, earwigs, and, ants (except fire ants, harvester ants, carpenter ants and pharaoh ants)	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 ²	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. 2.3 lbs./1,000 sq. ft. ¹ (American, Turkestan, and Oriental cockroaches only)	Monitor the void area and re-apply bait granules only as needed.

(continued)

Target Pests	Application Site	Application Method	Application Rate	Specific Use Instructions
house crickets field crickets silverfish	Attics ³	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.

¹ Equivalent to 3.86 oz. per 100 sq. ft.

² Do not allow **DOXEM IG** to contact any food or feed being stored in an unfinished or finished basement.

³ 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.

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