



# Diacon<sup>®</sup> IGR PLUS

Combination insect growth regulator **PLUS** adulticide

**PROTECTS STORED GRAINS AND SEEDS AGAINST DAMAGE FROM INDIAN MEAL MOTH, SAW-TOOTHED GRAIN BEETLE, RED FLOUR BEETLE, RICE WEEVIL, MAIZE WEEVIL, AND OTHER LISTED PESTS**

- Long residual control
- Reduces rebound of infestations
- May be tank-mixed
- May be diluted with water or oil
- Miscible in dust controlling oils

## SPECIMEN LABEL

### ACTIVE INGREDIENT:

(Deltamethrin ..... 4.75%  
S-Methoprene ..... 11.40%

**OTHER INGREDIENTS:** ..... 83.85%

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

Contains 0.41 lb deltamethrin per gallon  
Contains 1 lb S-methoprene per gallon

EPA Reg. No. 89459-86

EPA Est. No. 2724-TX-1

**KEEP OUT OF REACH OF CHILDREN**

**WARNING**

See additional Precautions

### PRECAUTIONARY STATEMENTS – HAZARDS TO HUMANS & DOMESTIC ANIMALS – WARNING

May be fatal if swallowed. Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Wear protective eyewear (goggles, face shield or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### FIRST AID

If swallowed	• Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person.
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. • Call a poison control center or doctor for treatment advice.

(continued)

If on skin	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
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Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-248-7763 for emergency medical treatment information.

### ENVIRONMENTAL HAZARDS

This product is extremely toxic to freshwater and estuarine fish and invertebrates. 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. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This pesticide is highly toxic to bees exposed to direct treatment. Do not apply or allow it to drift to crops or weeds on which bees are actively foraging.

### PHYSICAL AND CHEMICAL HAZARDS

Do not use water-based sprays of **DIACON<sup>®</sup> IGR PLUS** in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard.

### DIRECTIONS FOR USE

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

### PRODUCT INFORMATION

**DIACON<sup>®</sup> IGR PLUS** is an emulsifiable concentrate insecticide that contains an adulticide and insect growth regulator for use on stored grains and for treating empty bins and warehouses for stored product pest control. **DIACON<sup>®</sup> IGR PLUS** provides effective knockdown and control of listed adults and larvae

and prevents the buildup of listed pests with long residual control provided by the IGR.

### STORED GRAIN

Use to control adults and accessible larval stages of listed insect pests including, lesser grain borers, larger grain borers, Angoumois grain moths, Indian meal moths, tobacco moths, dermestids, and bean weevils; also to control populations of granary weevils, rice weevils, maize weevils, saw-toothed grain beetles, red flour beetles, and confused flour beetles.

**Tank-mixing:** In instances of high weevil complex pressure or suspected tolerance, the use of piperonyl butoxide (PBO) synergist may be used as a tank mix partner. Use PBO at a ratio of 1 part **DIACON® IGR PLUS** to 1.5 parts PBO. **DIACON® IGR PLUS** may be tank-mixed with other pesticide products such as Pyronyl™ Crop Spray. The more stringent label will apply when tank-mixing.

**Directions for Treatment:** Dilute **DIACON® IGR PLUS** with water or approved dust-controlling oils, mineral or soybean oils and apply to the moving grain stream as a coarse spray to provide a concentration of 0.5 ppm to 1 ppm of deltamethrin and 1.25 ppm or 2.5 ppm of S-methoprene on the grain.

Final spray volume with water solutions is 3–5 gallons of liquid per 1,000 bushels of grain. For rough rice, use 10 gallons of water per 1,000 bushels. Maintain agitation before and during application. Use a mixed dilution within 48 hours of preparing. Re-agitation of spray dilution may be required if left overnight.

For final spray volumes with oil solutions, follow the oil manufacturer's rate recommendations.

For uniform application, treat the grain as it moves into storage. Apply **DIACON® IGR PLUS** in solution at the rate of 3–5 gallons of dilution per 1,000 bushels to achieve a 0.5 ppm to 1 ppm concentration of deltamethrin and 1.25 ppm or 2.5 ppm of S-methoprene on the commodity. Apply at rates as shown in the tables below:

### AMOUNT OF DIACON® IGR PLUS/ 1,000 BUSHELS OF GRAIN

Commodity	Treatment at 0.5 ppm Deltamethrin/ 1.25 ppm S-Methoprene		Treatment at 1 ppm Deltamethrin/ 2.5 ppm S-Methoprene		Gallons of Diluent	Liters of Diluent
	fl oz	ml	fl oz	ml		
Barley	7.75	229	15.50	458	3 – 5	11.3 – 19
Corn	9	266	18	532	3 – 5	11.3 – 19
Oats	5.15	152	10.30	304	3 – 5	11.3 – 19
Popcorn	9	266	18	532	3 – 5	11.3 – 19
Rice	7.2	212	14.40	424	3 – 5	11.3 – 19
Rye	9	266	18	532	3 – 5	11.3 – 19
Sorghum (milo)	8	236	16	472	3 – 5	11.3 – 19
Wheat	9.6	283	19.20	566	3 – 5	11.3 – 19

### AMOUNT OF DIACON® IGR PLUS /TON OF GRAIN

Commodity	0.5 ppm Deltamethrin/ 1.25 ppm S-Methoprene		1 ppm Deltamethrin/ 2.5 ppm S-Methoprene		Ounces of Diluent	Milliliters of Diluent
	fl oz	ml	fl oz	ml		
Barley	0.34	10	0.68	20	13 – 21	384 – 630
Corn	0.34	10	0.68	20	13 – 21	384 – 630
Oats	0.34	10	0.68	20	13 – 21	384 – 630
Popcorn	0.34	10	0.68	20	13 – 21	384 – 630
Rice	0.34	10	0.68	20	13 – 21	384 – 630
Rye	0.34	10	0.68	20	13 – 21	384 – 630
Sorghum (milo)	0.34	10	0.68	20	13 – 21	384 – 630
Wheat	0.34	10	0.68	20	13 – 21	384 – 630

### SEED TREATMENT

Apply **DIACON® IGR PLUS** to protect stored grain seed against injury from stored grain insects listed. Clean and treat seed storage areas prior to storage. If seed is infested, fumigate\*\* to control existing populations and apply **DIACON® IGR PLUS** for residual protection. **DIACON® IGR PLUS** may also be used in conjunction with registered fungicide or other insecticide seed protectants, to protect barley, corn, oats, popcorn, rice, rye, sorghum and wheat seed during the seed treating process, and prior to bagging or placing in bulk seed storage at the rate of 0.5 ppm – 1 ppm. When treating seed with other pesticide products, properly tag the treated seed, indicating "Do not use seed for food, feed, or oil purposes." Seed treated with **DIACON® IGR PLUS** alone is considered grain.

\*\*Fumigate with EPA-registered fumigants according to manufacturer's label recommendations.

### GRAIN BINS AND WAREHOUSES

Dilute 0.25 – 1.5 fl oz of **DIACON® IGR PLUS** with water to make 1 gallon of solution. Before storing or handling grain, apply finished spray to equipment, wall and floor surfaces of grain bins and warehouses at the rate of 1 gallon per 1,000 sq ft but do not allow runoff to occur. Apply after equipment bins and buildings have been thoroughly cleaned. If infestations are severe or there are areas that are difficult to treat with a conventional spray, fumigation is recommended with an EPA-registered fumigant.

Use **DIACON® IGR PLUS** as a perimeter treatment to prevent infestation of these structures. Apply to areas where listed pests are seen or may find entrance. Treat a band of soil or lawn up to 6–10 feet wide around and adjacent to structures and treat the foundation to a height of 2 to 3 feet. Mix 0.25–1.5 fl oz of **DIACON® IGR PLUS** with water to make 1 gallon of solution. Apply as a coarse spray at a rate of 1 gallon per 1,000 sq ft. Wet the barrier area thoroughly and uniformly but do not allow runoff to occur. Applications to building structures higher than 3 feet; all outdoor applications to impervious surfaces are limited to spot and crack-and-crevice applications only.

## STORAGE and DISPOSAL

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

**PESTICIDE STORAGE** – Mix as needed. Store in original container in a secured, dry storage area. Avoid extremes in temperatures. Prevent cross-contamination with other pesticides and fertilizers. If the container is leaking and/or material is spilled, on floor or paved surfaces, absorb on sawdust or other commercially available absorbing material, sweep up and remove to chemical waste area for your disposal. Concentrate is stable at normal storage temperatures.

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

**CONTAINER DISPOSAL** – Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The Directions for Use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Central Garden & Pet Company's control, it is impossible for Central Garden & Pet Company to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

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For information or in case of an emergency, call 1-800-248-7763.

[www.bugfreegrains.com](http://www.bugfreegrains.com)

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