

# DIACON® II

**AN INSECT GROWTH REGULATOR TO CONTROL STORED PRODUCT INSECTS IN STORED FOOD COMMODITIES, SUCH AS CEREAL GRAINS, GRAIN SORGHUM (MILO), CORN, POPCORN, BIRDSEED, PEANUTS, SUNFLOWER SEEDS & TO CONTROL INSECT PESTS IN SEEDS**

## SPECIMEN LABEL

### ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6) . . . . . 33.6%

**OTHER INGREDIENTS\*:** . . . . . 66.4%

Total . . . . . 100.0%

\* Contains petroleum distillates

This product contains 2.5 lb/gallon (288 grams/liter) (S)-methoprene active ingredient

EPA Reg No. 2724-427

KEEP OUT OF REACH OF CHILDREN

### CAUTION

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

#### 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 eyes. • Call a poison control center or doctor for treatment advice.

**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.

**If swallowed** • Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.

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.

**NOTE TO PHYSICIAN:** Contains petroleum distillate – vomiting may cause aspiration pneumonia.

### DIRECTIONS FOR USE

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

### PRODUCT INFORMATION

(S)-methoprene, the active ingredient in DIACON® II, protects stored grains from damaging insects by interfering with the normal process of insect development. Unlike traditional pesticides, DIACON II is not an adulticide, but its residual activity prevents the development of larvae into adults. DIACON II, when used according to the label directions, prevents regeneration of these and other insect pests: almond moth, Indian meal moth, cigarette beetle, lesser grain borer, sawtooth grain beetle, merchant grain beetle, red flour beetle, and confused flour beetle. Treat existing insect populations with an adulticide before applying DIACON II for residual protection.

Apply DIACON II to any food commodity (including but not limited to: cereal grains, corn, sunflower, canola, popcorn, wheat, spices, sorghum, rice, cocoa, peanuts, oats, and millet) for control of insect larvae. DIACON II may also be used to treat pet food, animal feedstuffs, birdseed, and cotton hulls. DIACON II may be applied to seed stock. Treated commodities may be processed within 24 hours following an application.

If stored grain insect populations exceed 2 insects per 1 kg sample during storage, fumigate to avoid grain-damage from existing insects. Refer to Federal Grain Inspection Service regulations for stored grain for more information on sampling and insect thresholds.

**Stored Commodities:** For protection of stored food, grain, animal feed, seeds used for oil, and seed stock against stored product insects - for optimum results, thoroughly clean and treat storage areas prior to storing commodities. DIACON II may also be applied as a top-dressing to stored products that have been placed into bins or storage areas. For top-dressing applications, spray or fog the bin headspace paying particular attention to the top of the commodity mass, beams, ceilings, and rafters. Thorough coverage is essential. For surface treatments, apply 1 ml (1/30 oz) of DIACON II per 1,000 square feet; or for space spray, apply 3 ml (1/10 oz) per 10,000 cubic feet in sufficient diluent to provide adequate coverage. Do not flood top-dress area.

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute DIACON II in water, FDA-approved food grade oils\* or soybean oil and apply to the moving grain stream as a uniform coarse spray. Final water or oil dilution volume is 5 gallons of liquid per 1,000 bushels of grain and 10 gallons of liquid per 1,000 bushels of rice. Lower volumes of diluent may be used but, it is important to assure that the commodity mass is uniformly treated. Apply final spray volumes of oil solutions at the oil manufacturer's label application rates. Agitate water or oil solutions .

A range of rates for different commodities is provided for flexibility during varying storage periods and conditions. For maximum residual, use higher rates; the lowest application rate offers shorter residual for commodities stored ≤ 6 months.

Apply DIACON II in solution in accordance with the general directions, to stored products at the following rates per 1,000 bushels:

	<b>fl oz</b>	<b>ml</b>	<b>fl oz</b>	<b>ml</b>	<b>fl oz</b>	<b>ml</b>	<b>fl oz</b>	<b>ml</b>
Wheat	14	420	7	210	3.5	105	1.75	52
Corn	14	420	7	210	3.5	105	1.75	52
Sorghum (Milo)	14	420	7	210	3.5	105	1.75	52
Barley	12	360	6	180	3.0	90	1.50	45
Rice	12	360	6	180	3.0	90	1.50	45
Oats	8	240	4	120	2.0	60	1.00	30
Peanuts*	8	240	4	120	2.0	60	1.00	30
Sunflower	8	240	4	120	2.0	60	1.00	30

\*For peanuts, use water solution only. To determine application rates for other commodities, contact your distributor or Wellmark International.

## USE NOTES:

- Apply DIACON II grain protectant only to grain of known treatment history.
- Check spray equipment calibration regularly to insure proper application rates.
- Add the measured amount of DIACON II to a spray tank partially filled with water or oil, mix, and complete filling with specified quantity of carrier.
- Use diluted spray solution within 72 hours of mixing. Agitate before each use.
- Clean up extremely dusty sites prior to application.
- DIACON II may be used in metering systems in conjunction with dust-controlling oils. Follow the equipment and oil manufacturers' directions; ensure that the label rate of DIACON II is applied uniformly.

DIACON II may also be used as a fogging concentrate or surface spray for the treatment of stored product pests and other insect pests infesting warehouses, silos, storage bins or other stored commodity areas. DIACON II may also be applied in food processing, food service, food preparation, and food handling establishments including, mills, bakeries, restaurants, taverns, industrial buildings, breweries, candy processing, pet food production, grocery stores, modes of transportation (rail cars, ships, and trucks), cereal processing and bottling facilities. In addition to treating raw commodities and associated processing facilities, DIACON II may be applied to packaged, canned, and bottled foodstuffs, as well as associated packaging such as boxes, liners, and pallets. For application of DIACON II as a fogging or space spray, use the following directions.

## APPLICATION WITH AEROSOL GENERATORS

Apply DIACON II as a mist or aerosol. Dilute with water or oil as required following the instructions of the spray equipment manufacturer. Apply DIACON II at the rate of 1 ml (1/30 oz) per 1,000 square feet of surface area or 3 ml (1/10 oz) per 10,000 cubic feet. Use appropriate spray equipment to achieve uniform coverage.

Close room or warehouse and shut off all ventilating systems. Apply the product as a fine mist in the air above the trays, shelves, and in areas where dust may accumulate. Leave the room closed for 30 minutes to allow spray mist to settle. Do not remain in treated areas and ventilate before re-entry. Repeat application as required.

### **APPLICATION AS AN AQUEOUS SPRAY**

To prepare a diluted spray solution, partially fill the mixing container with water, add 1 ml (1/30 oz) of DIACON II, mix, and complete filling with a total of 1 gallon of water. Apply at a rate of 1 gallon of diluted solution per 1,000 square feet of surface area with any low-pressure sprayer typically used for indoor applications. Treat all areas that may harbor insect pests. Use diluted spray solution within 72 hours of mixing. Agitate before each use. Repeat application as required.

When tank mixing DIACON II with conventional adulticides, the more stringent label will apply. DIACON II may also be used or mixed with diatomaceous earth or dust-controlling oils.

### **STORAGE AND DISPOSAL**

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

**Storage** - Store in a cool, dry place.

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

**Container Disposal** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

For information or in case of an emergency, call **1-800-248-7763** or visit our Web site: **[www.wellmarkinternational.com](http://www.wellmarkinternational.com)**

### **WARRANTY AND CONDITIONS OF SALE**

Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. Buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.



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