

# DIACON® II

**AN INSECT GROWTH REGULATOR TO CONTROL STORED PRODUCT INSECTS IN CEREAL GRAINS, GRAIN SORGHUM (MILO), CORN (EXCEPT SWEET CORN AND POPCORN), BIRDSEED, AND PEANUTS**

## 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 (300 grams/liter) (S)-methoprene active ingredient

EPA Reg No. 2724-427

KEEP OUT OF REACH OF CHILDREN

**CAUTION**

SEE ADDITIONAL PRECAUTIONARY STATEMENTS

**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 the following insects: 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.

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 Grain:** For protection of stored food, feed, oil, and seed grains against stored grain insects - for optimum results, thoroughly clean and treat grain

storage areas prior to storage of grain. DIACON II may also be applied as a top-dressing to stored products that have already been placed into bins or storage areas. Use the rate of 2.5 to 5 ppm for this type of application. Do not flood top-dress area.

**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   |   |
|---|---|
| <b>If in eyes</b>   | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes.</li></ul>   |
| <b>If on skin</b>   | <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li></ul>  |
| <b>If swallowed</b>   | <ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give ANY liquid to the person.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul> |
| 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.   |   |

## ENVIRONMENTAL HAZARDS

Do not contaminate water when disposing of rinsate or equipment washwaters.

## DIRECTIONS FOR USE

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

**GENERAL DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** Dilute DIACON II with water or FDA-approved food grade oils\* or soybean oil and apply to the moving grain stream as a coarse spray to give a deposit of 5 ppm of DIACON II on the grain. Use a final water solution volume of 5 gallons of liquid per 1000 bushels of grain and 10 gallons of liquid per 1000 bushels of rice. Apply final spray volumes of oil solutions at the oil manufacturer's label application rates. Agitation of water or oil solutions is necessary.

For maximum residual and efficacy, use the rate of 5 ppm. For shorter term residual, lower rates may apply, but do not use rates less than 1 ppm.

DIACON II is to be applied in solution in accordance with the general directions to stored products at the following rates per 1000 bushels to provide treatment with 5 ppm concentrations of DIACON II. When using lower rates, use the appropriate amount of formulation to achieve the desired application rate:

|                      | <u>5 ppm</u> |           | <u>2.5 ppm</u> |           | <u>1 ppm</u> |           |
|----------------------|--------------|-----------|----------------|-----------|--------------|-----------|
|                      | <u>fl oz</u> | <u>ml</u> | <u>fl oz</u>   | <u>ml</u> | <u>fl oz</u> | <u>ml</u> |
| Wheat                | 7.70         | 228       | 4.0            | 114       | 1.54         | 46        |
| Corn                 | 7.10         | 212       | 3.5            | 106       | 1.42         | 43        |
| Grain sorghum (Milo) | 7.10         | 212       | 3.5            | 106       | 1.42         | 43        |
| Barley               | 6.10         | 182       | 3.0            | 91        | 1.22         | 37        |
| Rice                 | 5.70         | 170       | 3.0            | 85        | 1.10         | 34        |
| Oats                 | 4.10         | 121       | 2.0            | 61        | 0.80         | 25        |
| Peanuts*             | 3.85         | 115       | 2.0            | 60        | 0.80         | 24        |

\*For peanuts, use water solution only

## USE PRECAUTIONS:

- Apply DIACON II grain protectant only to grain of known treatment history, apply no more than once per crop.
- 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 mineral oil, mix, and complete filling with specified quantity of carrier.
- Use diluted spray solution within 48 hours of mixing. Agitate before each use.
- Do not treat at extremely dusty sites.

DIACON II may also be used as a fogging concentrate or surface spray for the treatment of warehouses, silos, storage bins, or other stored commodity areas. For application of DIACON II as a fogging or space spray, use the following directions.

## APPLICATION WITH COLD 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 per 1000 square feet of surface area or 1 ml per 10 cu ft. Use spray equipment to achieve uniform treatment.

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 entry. Repeat application as required.

## APPLICATION AS AN AQUEOUS SPRAY

Prepare a diluted spray solution by adding 1 ml of DIACON II to 1 gallon of water. Apply at a rate of 1 gallon of diluted solution per 1000 square feet of surface area with any low pressure sprayer typically used for indoor applications. Treat all areas which may harbor insect pests. Repeat application as required.

## MIXING INSTRUCTIONS

Partially fill the mixing container with water, add DIACON II, mix, and complete filling with quantity of water specified above. Use diluted spray solution within 24 hours of mixing. Agitate before each use.

## 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.

## 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.

For information or in case of an emergency, call 1-800-248-7763. Always read the label before using the product.

**Wellmark**

**ZOËCON**

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Schaumburg, Illinois U.S.A.

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