

# TurboCide

## Advanced Fogging Products

### Methoprene IGR

#### 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

EPA Est. No. 2724-TX-1

### KEEP OUT OF REACH OF CHILDREN CAUTION

See Additional Precautions

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS & DOMESTIC ANIMALS

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> <li>Call a poison control center or doctor for treatment advice.</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> <li>Call a poison control center or doctor for treatment advice.</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 can also call the National Pesticide Information Center at 1-800-248-7763 (24 hr/7 days) for emergency medical treatment information.

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

#### GENERAL INFORMATION

(S)-Methoprene, the active ingredient in DIACON® IGR, protects stored grains, agricultural commodities, seed, and animal feeds from damaging insects by interfering with the normal process of insect development. DIACON® IGR is not an adulticide; its residual activity prevents the development of larvae into adults. When used according to label directions, DIACON® IGR inhibits growth of larvae of: almond moth, Indian meal moth, lesser grain borer, sawtooth grain beetle, merchant grain beetle, red flour beetle, confused flour beetle, and other insect pests that are affected by Insect Growth Regulators (IGR's). Treat existing insect populations with an adulticide, then apply DIACON® IGR for residual protection.

#### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Apply DIACON® IGR to any food commodity (including but not limited to: cereal grains, corn, sunflower, canola, legumes, popcorn, wheat, spices, sorghum, rice, cocoa, peanuts, oats, millet, and processed or non-processed commodities readied for packaging) for control of insect larvae. DIACON® IGR may also be used to treat bulk or bagged pet food, livestock feed components and finished livestock feed, birdseed, or any other dry animal feed. DIACON® IGR may be applied to any seed stock. Treated commodities may be processed immediately.

#### NON-AGRICULTURAL USE REQUIREMENTS

These requirements 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 remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray or fog mist to settle before re-entry into the area.

**DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:** For protection of stored food, grain, animal feed, seeds used for oil, and seed stock against insects - for optimum results, thoroughly clean and treat storage areas prior to storing commodities.

**DILUTION INSTRUCTIONS:** DIACON® IGR may be diluted in water, or FDA-approved food grade oils, or soybean oil. 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 (or 21 fl oz per ton for grain, or 42 fl oz per ton for rice). Apply diluted product to the moving grain stream as a uniform coarse spray. Lower or greater volumes of diluent can be used but, it is important to assure that the commodity mass is uniformly treated. When using oil dilutions, apply at the oil manufacturer's label application rates. Agitate water or oil solutions to ensure thorough mixing.

Apply DIACON® IGR in solution in accordance with the general directions using the following tables as a guide. A range of rates for different commodities is provided for flexibility to address varying storage periods and conditions. DIACON® IGR may be applied at any rate within the specified range indicated on the tables. However, for maximum residual activity, use higher rates; the lower application rates provide shorter residual activity.

APPLICATION RATES (PER 1,000 BUSHELS)						
COMMODITY	fl oz	ml	fl oz	ml	fl oz	ml
Wheat	7	210	3.5	105	1.75	52
Corn	7	210	3.5	105	1.75	52
Sorghum (Milo)	7	210	3.5	105	1.75	52
Barley	6	180	3.0	90	1.50	45
Rice	6	180	3.0	90	1.50	45
Oats	4	120	2.0	60	1.00	30
Peanuts*	4	120	2.0	60	1.00	30
Sunflower	4	120	2.0	60	1.00	30

\* For peanuts, use water solution only

APPLICATION RATES (PER TON OF PRODUCT)						
COMMODITY	fl oz	ml	fl oz	ml	fl oz	ml
Any	0.25	7.5	0.125	3.7	0.0625	1.8

To determine application rates for other commodities, contact your distributor or Central Life Sciences.

#### USE NOTES

- Apply DIACON® IGR grain protectant only to grain of known treatment history.
- Check spray equipment calibration regularly to ensure proper application rates.
- Add the measured amount of DIACON® IGR to a spray tank filled with ½ gallon of water or oil, mix, and complete filling with specified quantity of diluent. Keep mixed solution out of direct sunlight.
- Agitate before each use.
- Pre-treat storage facilities before filling with DIACON® IGR treated commodities.
- DIACON® IGR may be used in conjunction with aeration.
- DIACON® IGR 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® IGR is applied uniformly.
- Applications of DIACON® IGR to finished animal feeds, birdseed, or other finished products DO NOT require package labeling since the application is made to control pests in the package and no other claims are made on the final packaging.
- DIACON® IGR may be tank-mixed with a suitable adulticide in diluted solutions or when fogging. When tank-mixing DIACON® IGR with an adulticide, the more stringent label will apply.
- DIACON® IGR can be used with dust-controlling oils or finishing oils used in bird feed.

**DIRECTIONS FOR TOP-DRESS TREATMENT OF STORED GRAIN:** Apply DIACON® IGR as a top-dressing to stored products placed in bins or storage areas. For top-dressing application, spray or fog the bin headspace paying particular attention to the top of the commodity mass, beams, ceilings, and rafters. Thorough coverage of the bins or storage areas is essential for optimal results. For surface treatments, apply 1 ml (1/30 fl oz) of DIACON® IGR per 1,000 square feet; or for space spray, apply 3 ml (1/10 fl oz) per 10,000 cubic feet in sufficient diluent to provide adequate coverage. Do not flood top-dress area.

**DIRECTIONS FOR MIXING INTO BULK OR BAGGED ANIMAL FEEDS:** DIACON® IGR is suitable to be used in the production of bulk or bagged animal feeds (including but not limited to: pet food, livestock feed, birdseed, and other animal feeds). Add 15-3.7 ml (0.5 to 0.125 fl oz) of DIACON® IGR per ton of animal feed with a sufficient diluent and mix to achieve thorough coverage.

**DIRECTIONS FOR FOGGING OR SPRAYING:** DIACON® IGR may also be used as a fogging concentrate or surface spray for the treatment of insect pests that are affected by Insect Growth Regulators: infesting warehouses, silos, storage bins, or other stored commodity areas. Apply DIACON® IGR in food processing, food service, food preparation, and food handling establishments including, mills, bakeries, restaurants, taverns, food storage facilities, meat and produce canneries, cafeterias, breweries, candy processing, pet food production, grocery stores, rail cars, ships, trucks, and trailers, cereal processing and bottling facilities. In addition to treating raw commodities and their processing facilities, apply DIACON® IGR to packaged, canned, and bottled foodstuffs, as well as the packaging such as boxes, liners, and pallets. For application of DIACON® IGR as a fogging or space spray, use the following directions.

**Application with Aerosol Generators:** Apply DIACON® IGR as an ultra low volume (ULV) mist or aerosol. Dilute with water or oil as required following the instructions of the spray equipment manufacturer. Apply DIACON® IGR at the rate of 1 ml (1/30 fl oz) per 1,000 square feet of surface area or 3 ml (1/10 fl oz) per 10,000 cubic feet. Use appropriate spray equipment, such as mechanical break up cold aerosol generators or thermal foggers, 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. Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray mist to settle before re-entry. Repeat application as required to suppress pest populations.

**Application as an Aqueous Spray:** To prepare a diluted spray solution, fill the mixing container with ½ gallon water, add 1 ml (1/30 fl oz) of DIACON® IGR, 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. Agitate solution before each use. Repeat application as required to suppress pest populations.

#### WARRANTY AND CONDITIONS OF SALE

To the extent consistent with applicable law, seller makes no warranty concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

For product information, call 1-800-248-7763, M - F, 8 am - 5 pm CST.

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