

# RF2047 DP

An Insect Growth Regulator for the Control of Stored Product Insects  
Alternate Brand Name: DIACON®-D

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

An Insect Growth Regulator to Control Stored Product Insects by Breaking the Pest Life Cycle and Preventing Larvae from Maturing into Adults  
Contains the IGR, S-Methoprene  
S-Methoprene is EPA-approved tolerance exempt  
Approved for use on all grains, spices, feeds, and seeds, including commodities for human (animal) consumption  
Breaks the pest life cycle and prevents larvae from maturing into adults  
Versatile application includes – direct to grain, top-dress, mixing into animal feeds, or empty premise treatments

**ACTIVE INGREDIENT:**

(S)-Methoprene (CAS #65733-16-6) .....0.8%

**OTHER INGREDIENTS:** .....99.2%

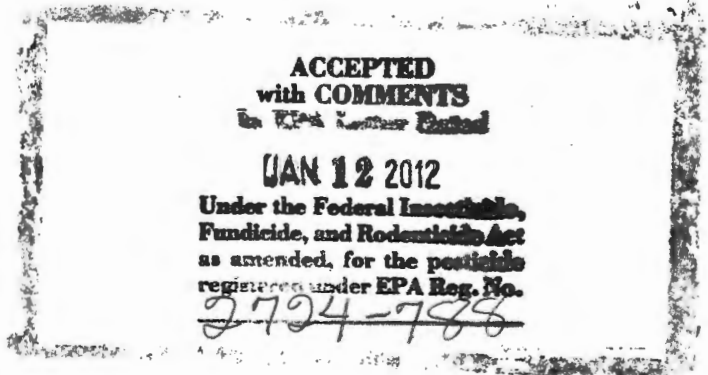
Total: .....100.0%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

See side/back panels for First Aid and Precautionary Statements

EPA Reg. No. 2724-788  
EPA Est. No. 2724-TX-1

Batch Code:  
NET WEIGHT: 40 lbs



**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION:** Harmful if inhaled or absorbed through the skin. Causes moderate eye irritation. Avoid breathing dust. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before reuse. Wear chemical resistant gloves, protective eyewear, and dust mask.

**Personal Protective Equipment (PPE):** Handlers and applicators must wear a dust mask, chemical-resistant gloves, and protective eyewear.

<b>FIRST AID</b>	
In inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
If on skin	<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>
If in eyes	<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>
If swallowed	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything 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.	

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water or 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 washwater or rinsate.

**GENERAL INFORMATION:** RF2047 DP is a ready-to-use formulation that can either be applied to commodities and feed prior to storage, top-dressed to commodities already stored, or used as an empty premise treatment for areas where commodities will be stored. The residual activity of RF2047 DP prevents the emergence of stored product insects during storage of commodities/feed. (S)-methoprene, the active ingredient in RF2047 DP protects the stored commodity from damaging insects by interfering with the normal process of insect development. Unlike traditional pesticides, RF2047 DP is not an adulticide, but its residual activity prevents the development of larval insects into viable reproducing adults. RF2047 DP, when used according to the label directions, prevents adult emergence and subsequent new generations of insects. RF2047 DP is effective against insect pests, such as: [(almond moth), (Indian meal moth), (cigarette beetle), (lesser grain borer), (sawtooth grain beetle), (merchant grain beetle), (red) and (confused flour beetle)], and other [complete metamorphic] insect pests [that pupate][that are affected by Insect Growth Regulators (IGR's)]. If the commodity is known to be infested when it is initially being placed into storage, fumigate the commodity to eliminate the existing insect populations following filling of bins or other storage facilities. Then apply RF2047 DP for residual protection.

Apply RF2047 DP 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 foods readied for packing) for control of insect larvae. RF2047 DP may also be used to treat bulk or bagged pet food, livestock feed, birdseed, or any other animal feed. RF2047 DP may be applied to any seed stock. Treated commodities may be processed immediately. **Applications of RF2047 DP 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 package.**

#### **DIRECTIONS FOR USE**

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

#### **DIRECTIONS FOR TREATMENT OF COMMODITIES PRIOR TO STORAGE:**

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. RF2047 DP may be used in conjunction with aeration.

Wearing a dust mask and protective gloves, apply RF2047 DP to grain or other commodities as they are being loaded or turned into storage facilities. Apply 8-10 pounds of RF2047 DP per 1000 bushels of commodity. Apply the dust as uniformly as possible to the commodity stream to assure even coverage. Apply in such a manner to reduce the potential of the product blowing off target in windy conditions. The higher application rate will provide longer residual.

**DIRECTIONS FOR TOP-DRESS TREATMENT OF STORED GRAIN:**

Use RF2047 DP as a top-dressing application for commodities which were previously stored in bins or other storage areas. To apply as a top-dressing; wearing a dust mask and protective gloves, uniformly apply the RF2047 DP over the commodity's surface. Dust the bin headspace paying particular attention to the top of the commodity mass, beams, ceilings, and rafters. Use equipment capable of applying a uniform layer of RF2047 DP. Thorough coverage is essential.

As a top-dressing application, apply 8 pounds of RF2047 DP per 1000 ft<sup>2</sup> of commodity surface area. Raking the top layer will enhance protection from invading insects infesting the top surfaces of the commodity. When raking commodity surface, rake to a depth of 1 foot.

**DIRECTIONS FOR MIXING INTO ANIMAL FEEDS:**

RF2047 DP 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 all other animal feeds). Wearing a dust mask and protective gloves, add RF2047 DP to achieve a thorough mix (coverage) within the feed. Apply 0.33 pounds (150 gms) – 0.26 pounds (126 gms) per ton of (animal feed)(product)(commodity) and mix to ensure uniformity. Treated feeds may be fed immediately with no withdrawal required.

**DIRECTIONS FOR EMPTY BIN, WALL VOID, CRACK AND CREVICE TREATMENT:**

Use RF2047 DP to treat bins, warehouses, mills, food processing and packaging facilities, feed mills, and other areas where stored product pests may harborage. For applications to hard surfaces within these sites, wearing a dust mask and protective gloves, apply RF2047 DP at a rate of 1.5 oz (45 grams) per 1000 ft<sup>2</sup> of surface area. Pay particular attention to cracks, crevices, and voids where food commodities can accumulate and attract pests. Use a bulb duster or other suitable equipment to apply the material.

**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** – Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag and container in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**WARRANTY AND CONDITIONS OF SALE**

To the fullest extent permitted by law, 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.

Wellmark International  
1501 East Woodfield Road 200 West  
Schaumburg Illinois 60173  
Made in USA

For information or in case of an emergency, call 1-800-248-7763.  
Visit our Web site: [web site address]