Protects Stored Products from Insects and Insect Damage

Manufactured in Canada for
Hedley Technologies (USA) Inc.
1-888-476-4473 202 North Avenue #102, Grand Junction CO 81501 www.hedleytech.com

How Protect-It® Works: Enhanced Protect-It® contains diatomaceous earth and silica gel. Diatomaceous earth consists of siliceous fossil shells of diatoms, a type of green algae. Protect-It® absorbs the outer waxy layer from the insect, causing dehydration - a physical rather than chemical method of protection against insect infestation. Application rates differ because the degree of dehydration varies depending on the insect species and the type of stored product.

Use Sites: Protect-It® can be used in the stored products listed below and in and around containers, equipment and buildings (structures) where any products stored, transported or processed, such as, harvesting equipment, augers, bins, silos and elevators, truck trailers, rail cars and ships, bags, cans, drums and other packages, warehouses, food processing plants (including flour mills, bakeries, and egg, meat and poultry plants), pet food plants, feed mills, maintenance buildings, etc.

How to use Protect-It®

1. Structural Treatment: Clean equipment, structures and empty storage containers before applying Protect-It®. Apply Protect-It® at a rate of 0.6 lb. per 1000 sq. ft. about two weeks before filling storage containers. Treat cracks, crevices and void spaces with a bulb duster or similar applicator. For empty bins and silos, apply Protect-It® through the running aeration fan or use a portable blower to blow it in through an upper hatchway (silos) or lower hatchway (steel bins). For wet application, mix 1 lb. of Protect-It® with 1 gallon of water and spray as a fine mist at the rate of 1.5 gallons per 1000 sq. ft.

2. Grain Treatment: For optimum protection, both the product to be stored or transported and the storage or transportation container or package must be free from insect infestation. If grain is infested prior to use of Protect-It®, no assurance of control is afforded.

   Option I - Apply Protect-It® at a uniform rate to the entire grain mass (indicated in the chart to right) as it is transferred by auger or conveyor feeder system; OR

   Option II - Use the same application method as in Option I above, treat the bottom 3 feet and the top 3 feet of the grain mass (layer treatment rates indicated in table). Where layer treatment accounts for more than 20% of the total grain mass, treat only the top layer to minimize effects on grain flowability and test weight; OR

   Option III - If it is not possible to use layer treatment (e.g., flat storage) or the top 3 feet of layer accounts for more than 20% of the grain mass (grain in bins less than 15 feet deep), refer to the FLAT STORAGE directions.

3. Top Dressing Treatment: After filling granary and applying Protect-It® to the grain mass, top or layer as indicated in the chart, apply 3 lbs. of Protect-It® per 1000 sq. ft. of the grain surface area. To help prevent the entry of insects through the surface of the grain mass in cases where the bin has been filled but the grain has not been treated with Protect-It®, apply Protect-It® to the surface of the grain mass at 40 lbs. per 1000 sq. ft. Contact Hedley Technologies for information on application equipment.

4. FLAT STORAGE - Two steps to help prevent the entry of insects through the surface of the grain mass:
   - Step 1: Structural Treatment: Clean equipment, structures and storage containers before applying Protect-It®. Use a compressed air or electric blower to apply Protect-It® at a rate of 0.6 lb. per 1000 sq. ft. about two weeks before filling storage containers.
   - Step 2: Grain Treatment: Load insect free grain. Apply Protect-It® to the surface of the grain mass at 40 lbs. per 1000 sq. ft. Aerate to cool grain.

Warranty Statement: As is sole express warranty, Hedley Technologies (USA) Inc. warrants that this product conforms to the ingredient statement on this label. This product is reasonably fit for the purposes stated on this label only when used in strict accordance with the Directions Or Use set forth on this label. Only as permitted by applicable law, Hedley Technologies (USA) Inc. (i) in the event of a breach of this limited warranty, shall not be liable for consequential damages and (ii) does not make nor authorize anyone to make any warranty express or implied, concerning Protect-It®.

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ACTIVE INGREDIENTS: Diatomaceous Earth 90% Silica Gel 10% TOTAL 100%

Commodity Pest Option I - Rate for Option II - Rate for Commodity Option I - Rate for Option II - Rate for

Wheat weevils & lesser grain borer 18.0 lbs/1000 bu 18.0 lbs/1000 bu 24.0 lbs/1000 bu 24.0 lbs/1000 bu
Barley weevils & lesser grain borer 14.4 lbs/1000 bu 14.4 lbs/1000 bu 19.2 lbs/1000 bu 19.2 lbs/1000 bu
Oats weevils & lesser grain borer 9.6 lbs/1000 bu 9.6 lbs/1000 bu 12.8 lbs/1000 bu 12.8 lbs/1000 bu
Rye weevils & lesser grain borer 16.8 lbs/1000 bu 16.8 lbs/1000 bu 22.4 lbs/1000 bu 22.4 lbs/1000 bu
Rough rice weevils & lesser grain borer 13.5 lbs/1000 bu 13.5 lbs/1000 bu 22.5 lbs/1000 bu 22.5 lbs/1000 bu
Corn all listed species NA NA 54.1 lbs/1000 bu 54.1 lbs/1000 bu
Popcorn weevils & lesser grain borer all listed species NA NA 42.0 lbs/1000 bu 42.0 lbs/1000 bu
Sorghum (milo) all listed species NA NA 56.0 lbs/1000 bu 56.0 lbs/1000 bu
Beans, Peas all listed species 18.0 lbs/1000 bu 18.0 lbs/1000 bu 28.8 lbs/1000 bu 28.8 lbs/1000 bu
Peanuts in shell all listed species 0.25 lbs/cwt. 0.25 lbs/cwt.
Rice weevils all listed species 1.0 lbs/1000 lbs 1.0 lbs/1000 lbs
Sunflower seed Indiantooth meal NA NA 0.1 lbs/cwt.

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-  Three steps for optimum stored product protection:

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