DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling. Use adequate ventilation and avoid breathing dust. Wear an N-95 dust mask when using this product during prolonged exposure.

BINS & SILOS - Three steps for optimum stored product protection:

For optimum effectiveness, good quality stored grain or seed should be below 14.5% moisture content with relative humidity at 70% or less. Protect-IIR is most effective when given several days to work.

Step 1) Structural Treatment: Clean equipment, structures and empty storage containers before applying Protect-IIR. Apply Protect-IIR 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 bush dustor or similar applicator. For empty bins and silos, apply Protect-IIR through the running aeration fan or use a portable blower to blow it in through an upper hatchway (silo) or lower hatchway (sealed bins). For wet application, mix 1 lb. of Protect-IIR with 1 gallon of water and spray as a fine mist at the rate of 1.5 gallons per 1000 sq. ft.

Step 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-IIR, no assurance of control is offered.

Option I - Apply Protect-IIR at a uniform rate to the entire grain mass (indicated in the chart to right) as it is transferred by auger or conveyer feeder system. OR
Option III - Using 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 foot layer accounts for more than 20% of the grain mass (grain in bins less than 15 feet deep), refer to the FLAT STORAGE directions.

Step 3) Top Dressing Treatment: After filling granary and applying Protect-IIR to the grain in bins, or top layer is covered in the silo, apply Protect-IIR at 3 lbs. of Protect-IIR 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-IIR, apply Protect-IIR to the surface of the grain mass at 40 lbs. per 1000 sq. ft. Contact Hedley Technologies for information on application equipment.

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-IIR. Use a compressed air or electric blower to apply Protect-IIR 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-IIR to the surface of the grain mass at 40 lbs. per 1000 sq. ft. Aerate to cool grain.

Warranty Statement:

As in sole express warranty, Hedley Technologies (USA) Inc. warrants that this product conforms to the ingermans on this label. This product is reasonably fit for the purposes stated on this label only when used in exact accordance with the Directions for 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 of fitness or merchantability, express or implied, concerning Protect-IIR.


Manufactured in Canada for Hedley Technologies (USA) Inc. 1-866-476-4473 202 North Avenue #102, Grand Junction CO 81501 www.hedleytech.com

CONTENTS

ACTIVE INGREDIENTS:
Diatomaceous Earth
Silica Gel

TOTAL
90% 10%

90%
100%

KEEP OUT OF REACH OF CHILDREN

CAUTION
PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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 first 5 minutes. Then continue rinsing eye. Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

STORAGE AND DISPOSAL:
Do not contaminate water, food or feed by storage or disposal. Storage: Store in original container in a dry place. Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility. Container Disposal: Race bags and recycle bags and boxes where possible or place in trash.

Net Weight 15 lbs / 6.8 kg (contents may settle)

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

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

Protect-IIR is approved for use on the following stored products: barley, beans, birchseed mix, corn, oats, peas, peanuts in shell, popcorn, rough rice, rye, sunflower seed, sorghum (milo) and wheat. In addition, Protect-IIR can be used in and around equipment, manufacturing facitilies and empty storage and transportation containers that may be used for other stored products not specifically listed. Stored products can be used as intended (food, feed, seed and oil) immediately after treat-
ment, without removal) of Protect-IIR.

Protect-IIR is effective against the following stored product insects:
- pea weevil
- maize weevil
- rusty grain beetle
- sawtoothed grain beetle
- rice weevil
- granary weevil
- lesser grain borer
- honduran moth
- grain mites
- red flour borer
- confined flour beetle
- bean weevil
- flat grain beetle
- merchant grain beetle

Notice: Depending on the type of commodity and the amount of Protect-IIR used, test weight and grain handling properties may be affected. To minimize these effects, layer treatment is recommended for affected commodities. Protect-IIR is not considered to be a foreign material in treated product and will not contain treated product by from sample grade as set out in GIPS/FGIS Program Directive 9180-49, September 1999.

Application Rate Chart: Follow Directions for Use (left column). For grain or seed with moisture content of 12% or lower, reduce rates listed below by 15%.

<table>
<thead>
<tr>
<th>Commodity</th>
<th>Pest</th>
<th>Option I - Rate for grain mass</th>
<th>Option II - Rate for layer treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheat</td>
<td>weevils &amp; lesser grain borer all others</td>
<td>18.0 lb/1000 lb</td>
<td>24.0 lb/1000 lb</td>
</tr>
<tr>
<td></td>
<td>18.0 lb/1000 lb</td>
<td>18.0 lb/1000 lb</td>
<td></td>
</tr>
<tr>
<td>Barley</td>
<td>weevils &amp; lesser grain borer all others</td>
<td>14.4 lb/1000 lb</td>
<td>19.2 lb/1000 lb</td>
</tr>
<tr>
<td></td>
<td>14.4 lb/1000 lb</td>
<td>14.4 lb/1000 lb</td>
<td></td>
</tr>
<tr>
<td>Oats</td>
<td>weevils &amp; lesser grain borer all others</td>
<td>9.6 lb/1000 lb</td>
<td>12.8 lb/1000 lb</td>
</tr>
<tr>
<td></td>
<td>9.6 lb/1000 lb</td>
<td>9.6 lb/1000 lb</td>
<td></td>
</tr>
<tr>
<td>Rye</td>
<td>weevils &amp; lesser grain borer all others</td>
<td>16.8 lb/1000 lb</td>
<td>22.4 lb/1000 lb</td>
</tr>
<tr>
<td></td>
<td>16.8 lb/1000 lb</td>
<td>16.8 lb/1000 lb</td>
<td></td>
</tr>
<tr>
<td>Rough Rice</td>
<td>weevils &amp; lesser grain borer all others</td>
<td>13.5 lb/1000 lb</td>
<td>22.5 lb/1000 lb</td>
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<tr>
<td></td>
<td>13.5 lb/1000 lb</td>
<td>13.5 lb/1000 lb</td>
<td></td>
</tr>
<tr>
<td>Corn</td>
<td>all listed species</td>
<td>NA</td>
<td>56.0 lb/1000 lb</td>
</tr>
<tr>
<td>Potato</td>
<td>weevils &amp; lesser grain borer all others</td>
<td>54.1 lb/1000 lb</td>
<td>NA</td>
</tr>
<tr>
<td></td>
<td>NA</td>
<td>42.0 lb/1000 lb</td>
<td></td>
</tr>
<tr>
<td>Sorghum (milo)</td>
<td>all listed species</td>
<td>NA</td>
<td>56.0 lb/1000 lb</td>
</tr>
<tr>
<td>Beans, Peas</td>
<td>all listed species</td>
<td>18.0 lb/1000 lb</td>
<td>18.0 lb/1000 lb</td>
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<tr>
<td>Peanuts in shell</td>
<td>all listed species</td>
<td>NA</td>
<td>0.25 lb/1000 lb</td>
</tr>
<tr>
<td>Birdseed mix</td>
<td>all listed species</td>
<td>1.0 lb/1000 lb</td>
<td>NA</td>
</tr>
<tr>
<td>Sunflower seed</td>
<td>Indianmeal moth</td>
<td>NA</td>
<td>0.1 lb/1000 lb</td>
</tr>
</tbody>
</table>