

PM 13 66923-2 P5 1/1

PROTECT-IT contains diatomaceous earth and silica gel. These materials are made of amorphous silicon dioxide from fossil shells of green algae and from precipitated silica, respectively. Their method of control is physical rather than chemical; they absorb the outer lipid layer from insect epicuticles, causing the insects to die from dehydration. It is most effective when given several days to work. Optimum conditions are low grain or seed moisture content and low relative humidity of air. When used as directed, **PROTECT-IT** effectively controls the following insects which cause damage to grain and seed:

- | | |
|------------------------|--------------------|
| rice weevil | pea weevil |
| maize weevil | grain mites |
| granary weevil | bean weevil |
| mealworm beetle | red flour beetle |
| lesser grain borer | flat grain beetle |
| confused flour beetle | rusty grain beetle |
| Indian meal moth larva | saw toothed beetle |

PROTECT-IT is approved for use in the following stored grains and seeds: corn, sorghum (milo), wheat, oats, barley, rye, rice, soybeans, beans, peas, sunflower seeds, vegetable seeds, birdseed mix, and flower seeds, plus empty flour bins.

CONTENTS

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND ANIMALS

CAUTION Avoid breathing dust. Avoid contact with eyes. Use with adequate ventilation. Wear a suitable dust mask approved by NIOSH/MSHA when applying.

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES Flush eyes with plenty of water. Call a physician if irritation persists.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. **Storage:** Store in original container in a dry place. Keep bag sealed. **Pesticide Disposal:** Wrap container and put in trash collection or dispose in approved facility. **Container Disposal:** Rinse bags and recycle bags and boxes where possible or place in trash.

WARRANTY STATEMENT

HTI Agritech (USA), Inc. warrants that this product conforms to the ingredient statement on this label. Since conditions of application may vary, HTI Agritech (USA), Inc. makes no claims other than those stated on this label.

EPA Reg No 66923-2 Patent Pending
 EPA Est No 68535-KS 001 Batch No 9609 2
 Net Weight 15 lbs (contents may settle)



Ready to use Insecticide for Stored Grain and Seed
 For Commercial and Pest Control Operator Use
 Apply as a Dust or Wettable Powder

Manufactured by
HTI Agritech (USA) Inc.
 P O Box 2220, Blaine WA 98231

FOR WET APPLICATION MIX 16 POUNDS PER GALLON			
Commodity & Insect or Mite	Application Rates (PER TON)		
	Maximum Moisture content	Dust (pounds)	Wet (gallons)
WHEAT			
beetles (rusty and flat grain)	0.15	0.20	0.125 (1/8)
weevils (maize rice granary)	0.30	0.40	0.25 (1/4)
lesser grain borer	0.40	0.80	Dry only
flour beetles (red and confused)	0.40	0.60	0.375 (3/8)
grain mites	0.20	0.20	0.125 (1/8)
CORN (Maize) and SORGHUM			
weevils (maize rice granary)	0.40	0.80	Dry only
lesser grain borer	1.60	2.00	Dry only
red flour beetle	1.00	2.00	Dry only
Indian meal moth larvae	1.20	2.00	Dry only
RICE Dehusked & Brown Polished & Dehusked			
weevils (maize rice granary)	2.00	2.00	Dry only
lesser grain borers	2.00	3.00	Dry only
flour beetles (red and confused)	3.00	3.00	Dry only
OATS RYE and BARLEY			
beetles (rusty and flat)	0.15	0.20	0.125 (1/8)
saw toothed grain beetle	0.30	0.40	0.25 (1/4)
weevils (maize rice granary)	0.30	0.60	0.375 (3/8)
flour beetles (red and confused)	0.40	0.60	0.375 (3/8)
lesser grain borer	0.40	0.60	Dry only
grain mites	0.20	0.20	0.125 (1/8)
SOYBEANS BEANS PEAS (Bruchidae)			
bean and pea weevils	0.20	0.40	0.25 (1/4)
BIRDSEED MIX			
weevils (rice granary)	0.20	0.40	Dry only
Indian meal moth	1.20	2.00	Dry only
SUNFLOWER FLOWER & VEGETABLE SEEDS			
Indian meal moth larvae	2.00	2.00	Dry only
red flour beetle	3.00	4.00	Dry only

DIRECTIONS FOR USE:

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. When used as directed, control of insects in stored grains and seeds continues throughout the storage period and, after storage, grains or seeds can be used as intended without removal of **PROTECT-IT**.

PROTECT-IT can be used in any dry container where grains or seeds are stored or transported, such as in silos or elevators, rail cars, ships, truck trailers, and appropriate cans, drums, or packages. It provides maximum control when the relative humidity in the storage container is below 70%.

STRUCTURAL TREATMENT OF EMPTY STORAGE AND TRANSPORTATION CONTAINERS AND FACILITIES (surface, crack and crevice treatment) **PROTECT-IT** can be applied as a dust or in a slurry. Treat all cracks, crevices, and surfaces with dust at 1 pound per 1,000 square feet using the elevator fan or a dust blower, preferably an electrostatic model. For wet application, mix 1 pound per gallon of water and spray at a rate of 1.5 gallons per 1,000 square feet of surface.

APPLICATION TO STORED GRAINS AND SEEDS **PROTECT-IT** may be applied to grain or seed at any stage of preparation or transportation after drying and cleaning and prior to storage. Treat the entire product mass with dust or mix with water and spray.

PROTECT-IT may be applied to product as it enters the auger or conveyor feeder system during transfer of grain into storage facilities or into transportation containers. Dust or water suspension should be mixed thoroughly with grain or seed to be stored at the rates shown in the table.

IF FREQUENT OR SERIOUS INFESTATIONS ARE COMMON, especially red flour beetle or lesser grain borer, follow these directions for additional protection of stored grain or seed:

- Two weeks before filling empty storage or transportation container with grain, apply **PROTECT-IT** at 0.6 pounds dust per 1,000 square feet of surface area or as a slurry at the rate of 1 pound per gallon per 1,000 square feet and
- Treat bulk of grain according to rates shown in the table (dry or wet) and
- Either a) treat top 1.5 feet of grain with 0.6 pounds dust per ton or use a slurry containing 1.6 pounds per gallon at the rate of 0.375 gallons per ton, or b) treat top surface of grain with 3 pounds dust per 1,000 square feet of surface area or use a slurry containing 3 pounds dust per two gallons water per 1,000 square feet of area.

Depending on the type of grain or seed treated and the concentration of **PROTECT-IT** used, test weight and movement speed may be slightly reduced, but the presence of diatomaceous earth and silica gel should not cause the treated material to be reduced to sample grade. If the USDA FDIS procedures in Program Directive 918.49 (August 1996) are followed.