

Trace Seed  
Protection Products

# Protector™ -D

PLANTER BOX SEED TREATMENT  
FUNGICIDE PLUS MOLYBDENUM

Intended for use by professional applicators only.

Active Ingredient:

thiram (tetramethylthiuram disulfide)*	35.0%
Other Ingredients**	65.0%
Total	100.0%

\*CAS No. 137-26-8

\*\*This product contains 10.0% molybdenum (derived from sodium molybdate) and 15% graphite as lubricant.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER • PELIGRO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

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 to 20 minutes.</li><li>• Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>EMERGENCY PHONE</b>	<b>800-292-5898</b>
<b>SAFETY DATA AND INFORMATION</b>	<b>866-430-2775</b>
<b>TRANSPORTATION EMERGENCY (CHEMTREC)</b>	<b>800-424-9300</b>

**Net Contents:**

EPA REG. NO. 400-562  
EPA EST. NO.  
002/073009

Manufactured for:  
Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749



www.tracechemicals.com  
www.chemtura.com

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER • PELIGRO**

**Corrosive. Causes irreversible eye damage.** Harmful if absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid inhaling dust. Wear protective eyewear. 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. Consumption of alcoholic beverages increases the toxic effect of thiram.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemical resistant to this product are polyethylene or polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

**All loaders, applicators, and other handlers must wear:** long-sleeved shirt and long pants, shoes plus socks, chemical resistant gloves, protective eyewear (goggles or face shield), and chemical resistant apron when cleaning up spills or cleaning equipment.

Note: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

**USER SAFETY REQUIREMENTS**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide product is **toxic to fish, aquatic invertebrates, oysters and shrimp**. Do not contaminate water by cleaning of equipment or disposing of equipment washwaters or rinsate. Drift or run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

Treated seeds are **hazardous to fish, birds and mammals**. Do not plant treated seeds by broadcasting to the soil surface. Ensure that all seeds are thoroughly covered with soil, especially in turn areas. If seeds are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.

This product may have effects on federally listed, threatened, or endangered species, or their critical habitat in some counties. It is a violation of federal law to kill, harm, or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the treated seed. To determine whether your County or Parish has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all label directions and precautions before use.

Do not apply this product in a way that will contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 24 hours**.

*Exception:* Once treated seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction, if there will be no contact with the treated seeds.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, shoes plus socks, chemical resistant gloves made of any waterproof material, protective eyewear.

## GENERAL

PROTECTOR™-D contains the fungicide thiram to protect against seed and soilborne diseases, such as seedling blights, damping-off and seed decay organisms.

**Easy to use** - PROTECTOR-D seed treatment is formulated for easy planter-box or hopper-box application.

**Molybdenum** - PROTECTOR-D provides 0.2 ounce of molybdenum per acre for plant nutrition and as an aid in the valuable nitrogen fixation process of legumes.

**Lubrication** - PROTECTOR-D is formulated with graphite to help seed flow easily and evenly from the planter-box or hopper-box.

## SEED TREATMENT INSTRUCTIONS

Apply PROTECTOR-D to seed in the planter-box or hopper-box and mix so that all seeds are covered. Plant as soon as possible.

**Mixing Instructions:** For best results, fill planter-box or hopper box only half full of seed, add half the required amount of PROTECTOR-D Seed Treatment, and mix thoroughly with a stick or paddle. Then add the remainder of the seed and product to planter box, and mix again so that all seeds are covered. DO NOT MIX WITH BARE HANDS.

**NOTE:** Adjust the seed drill or planter to give the required rate of seed delivery with treated seed. Regularly inspect planter plates or seed drum and clean as required. At the end of each day, clean out the electric eye monitors as directed by the manufacturer.

CROP	PRODUCT USE RATE
Soybeans	3.3 oz. / 100 lbs. (2 oz./bu.)
Peas	4.5 oz. / 100 lbs.
Beans	4.5 oz. / 100 lbs.
Peanuts (shelled)	6.5 oz. / 100 lbs.
Mung Beans	4.5 oz. / 100 lbs.
Alfalfa	8.0 oz. / 100 lbs.
Clover	8.0 oz. / 100 lbs.
Vetch	8.0 oz. / 100 lbs.

## USE PRECAUTIONS

Treated seed must not be used for or mixed with food or animal feed, or processed for oil.

Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time.

## TREATED SEED LABELING

The Federal Seed Act requires that containers containing seeds treated with this product shall be labeled with the following statements:

"This container contains seed treated with thiram. Do not use treated seed for feed, food, or oil purposes. Store treated seed away from food and feedstuffs."

Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.

Do not allow children, pets or livestock to have access to treated seeds.

Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water.

Do not contaminate bodies of water when disposing of equipment wash water. Dispose of seed packaging or containers in accordance with local requirements.

This product may have effects on federally listed, threatened, or endangered species, or their critical habitat in some counties. It is a violation of federal law to kill, harm, or harass listed

animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the treated seed. To determine whether our County or Parish has a Bulletin, consult <http://www.epa.gov/espp> before each season's use of this product.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours. *Exception:* Once treated seeds are planted in soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction, if there will be no contact with the treated seeds. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls, shoes plus socks, chemical resistant gloves made of any waterproof material, protective eyewear.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate, dry and out of direct sunlight. Avoid exposure to excessive heat.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely toxic. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Nonrefillable Container.

**Plastic Container:** Do not reuse or refill this container. Completely empty container by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then dispose of empty container in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Offer for recycling, if available.

## IMPORTANT NOTICE

Treatment of highly mechanically damaged seed, or seed known to be of low vigor and poor quality, except for the purpose of curative control of existing disease pests, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small test sample of seed before treating commercial quantities with a selected chemical treatment. Due to seed quality and seed storage conditions beyond control of Chemtura, to the extent consistent with applicable law, Chemtura makes no claims of guarantees as to germination of carry-over seed.

Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions, or under conditions not reasonably foreseeable to seller, and, to the extent consistent with applicable law, the buyer assumes the risk of any such use.

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