

Trace Seed
Protection Products

Kernel Guard[®] Supreme

VITAVAX[®] -PERMETHRIN

For the protection of Seeds and Seedlings of Field Corn, Sweet Corn, Popcorn and Soybeans against *Rhizoctonia* Damping-Off, Seed Decay, and Seedling Blight; also against Seed Corn Beetle, Seed Corn Maggots and Wireworms

Active Ingredients:

Permethrin* (cis/trans ratio: Max. 55% (±) cis and Min. 45% (±) trans)	10.42%
Carboxin: 5,6-dihydro-2-methyl-N-phenyl-1,4 oxathiin-3-carboxamide	14.00%
Other Ingredients	75.58%
Total:	100.00%

*(3-Phenoxyphenyl)methyl(±)cis-trans 3-(2,2-dichloroethenyl)-2,2 dimethylcyclopropanecarboxylate

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing• Rinse skin immediately with plenty of water for 15 – 20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 -20 minutes.• Remove contact lens, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	866-430-2775
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300

Net Contents:

EPA REG. NO. 400-560
EPA EST. NO.
003/011708

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



www.tracechemicals.com
www.chemtura.com

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

Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and a NIOSH approved respirator with any R, P, or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This product is **extremely toxic to fish and aquatic invertebrates**. 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 by cleaning of equipment or disposal of equipment washwaters. Run-off may be hazardous to aquatic organisms in neighboring areas. **Exposed treated seed may be hazardous to birds and other wildlife**. Collect or incorporate seed that are spilled during loading or are visible on soil surface in turn areas. Dispose of all treated seed by burial away from bodies of water.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. 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. 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 12 hours**.

Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated."

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, waterproof gloves, and shoes plus socks.

PRODUCT INFORMATION

KERNEL GUARD® SUPREME may be used on seed previously treated with a full dosage of protective fungicide, to give added protection against *Rhizoctonia* damping-off, seed decay, and seedling blight. This product exhibits only protectant activity and offers no systemic control of insects. Activity is by the contact and ingestion routes generally associated with pyrethroids.

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

RATES

Field Corn, Sweet Corn, Popcorn: (1.5 oz. canister) Use at a rate of one canister per 42 lbs. of seed. **(4 lb. Pail)** (Measuring Scoop Enclosed) Use two scoops full (1.5 ounces) per 42 lbs. of seed.

Soybeans: (1.5 oz. canister) Use one canister (1.5 ounces) per 50 lbs. of seed. **(4 lb. pail)** Use two scoops full (1.5 ounces) per 50 lbs. of seed.

MIXING INSTRUCTIONS: (1.5 oz. canister) Apply KERNEL GUARD SUPREME to seed at planting time with the canister applicator tube system. For best results, fill the planter box with seed, add KERNEL GUARD SUPREME through applicator tube and mix so that all seeds are covered.

(4 lb. Pail) For best results, fill planter box only half full of seed, add half the required amount of KERNEL GUARD SUPREME, and mix thoroughly with a stick or paddle. Add the remainder of the seed and KERNEL GUARD SUPREME, and mix again so that all seed are covered.

DO NOT MIX WITH BARE HANDS. Use only at the recommended rate. Lower amounts may not give desired control. Excessive amounts may cause seed injury.

USE RESTRICTIONS

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

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

ROTATIONAL CROPS: Treated areas may be replanted with any crop specified on the KERNEL GUARD SUPREME label. For crops not listed on the label or for crops for which no tolerance for the active ingredients have been established, a 60-day plant-back interval should be observed. Do not graze or feed livestock on treated areas for six weeks after planting.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

PESTICIDE STORAGE: Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers. Store in a cool, dry place. Protect from excessive heat.

PESTICIDE DISPOSAL: Wastes from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty canister into application equipment. Then dispose of empty canister in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT NOTICE

Chemtura Corporation warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label only when used in accordance with the directions, instructions and restrictions specified on the label. Chemtura neither makes, nor authorizes any agent or representative to make any other warranty, including any other warranty of FITNESS or MERCHANTABILITY, guarantee or representation, express or implied, concerning this product. To the extent consistent with applicable law, Chemtura shall not be liable for special, indirect or consequential damages. SEED TREATMENT WARRANTY STATEMENT - 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. Since this product is designed for treating just prior to planting, Chemtura makes no claims or guarantees as to germination of carry over seed.

KERNEL GUARD® and VITAVAX® are registered trademarks of Chemtura Corporation

©Copyright 2007, Chemtura Corporation