

400-560

6/8/2012

1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D C 20460-0001



OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

Allen Blem
Chemtura Corporation
199 Benson Road (2-5)
Middlebury, CT 06749

JUN 8 2012

Subject Amended Reregistration Label
Product Name Kernel Guard Supreme
EPA Registration Number 400-560
EPA Decision Number 413509

Dear Mr Blem

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Permethrin RED, and has concluded that your submission is acceptable

NOTE This product is **not** being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time

Please be reminded that 40 CFR Part 156 140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded

- 1 Basic CSF dated >> 08/18/11


A copy of your label is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be

subject to cancellation in accordance with FIFRA sec 6(e)

If you have any questions about this letter, please contact Gene Benbow at 703-347-0235
or benbow_gene@epa.gov

Sincerely,



 Richard J Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7504P)

*Enclosures Acute Toxicity Review dated 08/04/11
Product Chemistry Review dated 09/12/11
Stamped Accepted Label dated*

JUN - 8 2012

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

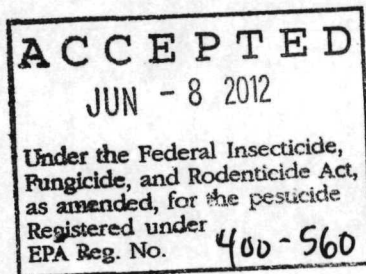
FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
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.
EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
MEDICAL EMERGENCY	800-292-5898
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300
PRODUCT SAFETY DATA (MSDS)	866-430-2775

For PRODUCT USE INFORMATION : Call 800-243-2850

Net Contents:

EPA REG. NO. 400-560
EPA EST. NO.
006

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



www.ChemturaAgroSolutions.com

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

CAUTION Harmful if swallowed Do not get in eyes on skin or on clothing

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical resistant to this product are made of any waterproof material 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 chemical resistant gloves shoes plus socks and a chemical resistant apron when loading

Follow manufacturer's instructions for cleaning/maintaining PPE If no such instructions for washables exist use detergent and hot water Remove PPE immediately after handling this product Wash the outside of gloves before removing As soon as possible wash hands thoroughly before eating drinking chewing gum using tobacco or using the toilet and change into clean clothing

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 product is **extremely toxic to aquatic organisms, including fish and invertebrates** Do not apply to water to areas where surface water is present or to intertidal areas below the mean high water mark Do not contaminate water when disposing of equipment washwaters or rinsate or by disposal of wastes Treated seed exposed on soil surface may be hazardous to birds Cover or collect spilled seeds

Under some conditions this chemical may have a high potential for runoff into surface water (primarily in runoff events accompanied by erosion) for several to many months post application These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters frequently flooded areas and areas overlying extremely shallow groundwater areas with in field canals or ditches that drain to surface water areas not separated from adjacent surface waters with vegetated filter strips and areas over lying tile drainage systems that drain to surface waters

Endangered Species

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 seasons 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

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 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 Once the seeds are planted in soil the Worker Protection Standard under certain circumstances allows workers to enter the treated area without restriction if there will be no worker contact with the soil/media subsurface 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 chemical resistant gloves made of any waterproof material and shoes plus socks

5/5

PRODUCT INFORMATION

KERNEL GUARD® SUPREME is a planter box or hopper box seed treatment for on farm use only on field corn sweet corn popcorn and soybeans immediately before planting. It provides protectant activity only against certain insects (seed corn beetles seed corn maggots wireworms) and has no systemic control. Its insecticide activity is by the contact and ingestion routes generally associated with pyrethroids.

KERNEL GUARD SUPREME may be used on seed previously treated with a full dosage of a protectant fungicide to give added protection against *Rhizoctonia* seedling blight damping off and seed decay.

Use KERNEL GUARD SUPREME only on those seeds needed for immediate use minimizing the time between treatment and planting. DO NOT bag or store excess treated seed beyond planting time. Treated seeds must not be used for or mixed with food or animal feed or processed for oil.

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

Use only at the specified rate. Lower amounts may not give desired control. Excessive amounts may cause seed or seedling injury.

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 full scoops (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 full scoops (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.

Mix with a stick or paddle so that all seeds are covered. DO NOT MIX WITH BARE HANDS.

USE RESTRICTIONS

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

Not for use by commercial seed treatment establishments.

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

Do not graze or feed livestock on treated areas for six weeks after planting.

ROTATIONAL CROPS

Treated areas may be replanted with field corn sweet corn popcorn or soybeans immediately. For all other crops the plant back interval is 60 days.

STORAGE AND DISPOSAL

Do not contaminate water food or feed by storage and 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 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

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

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.

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.

Chemtura AgroSolutions™ is a trademark of Chemtura Corporation.
©Copyright 2012 Chemtura Corporation