

400-544

10/9/2009

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

OCT 9 2009

Allen R. Blem  
Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749

SUBJECT: Label Amendment  
Racona 3.8 FS  
EPA Reg. No. 400-544  
Your Submission Dated June 8, 2009  
Decision No. 415874

Dear Mr. Blem:

The amended labeling referred to above submitted in connection with registration under the Federal Insecticide Fungicide and Rodenticide Act (FIFRA), as amended, to correct rates for corn, cotton and sunflower is acceptable provided that you make the following labeling changes:

1. In the Precautionary Statements, add "(PPE)" after the heading Personal Protective Equipment.
2. On page 3, in the Treated Seed Labeling section, add the missing section "during the restricted entry interval (REI) of 12 hours. Exception: Once seeds are planted and covered by soil or other planting media, the Worker Protection Standard (WPS) allows workers to enter the treated area without restriction."

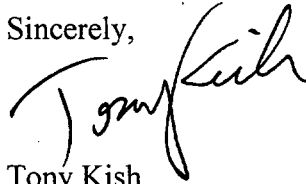
Submit one copy of your final printed labeling before you release the product for shipment.

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If you have any questions regarding this correspondence, contact Rose Kearns of my staff by phone at 703-305-5611 or via email at [kearns.rosemary@epa.gov](mailto:kearns.rosemary@epa.gov) or myself at 703-308-9443 or via email at [kish.tony@epa.gov](mailto:kish.tony@epa.gov).

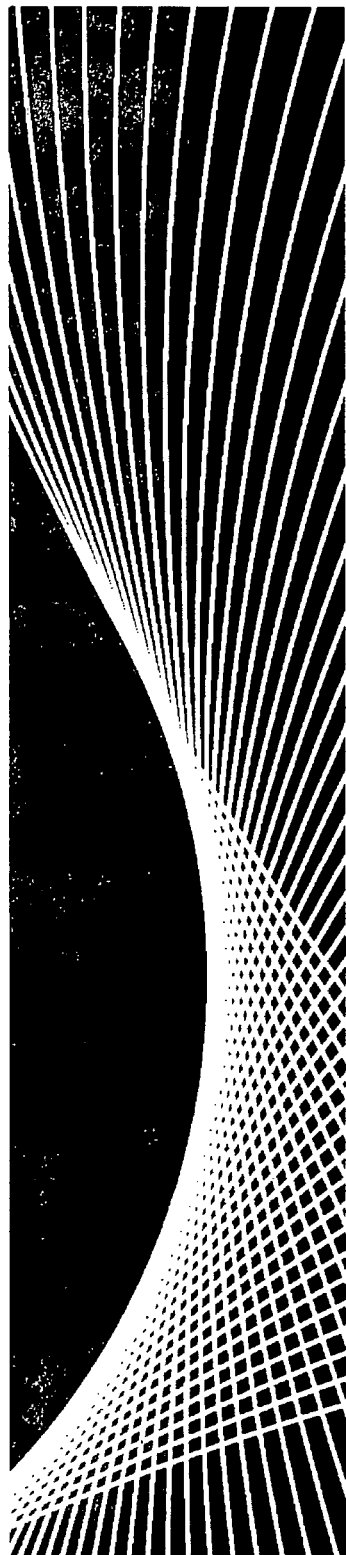
Sincerely,

A handwritten signature in black ink, appearing to read "Tony Kish", written in a cursive style.

Tony Kish  
Product Manager Team 22  
Fungicide Branch  
Registration Division (7505P)

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# RANCONA<sup>TM</sup> 3.8 FS



## SEED TREATMENT FUNGICIDE

Net  
Contents:

Active Ingredient:  
ipconazole (CAS No. 125225-28-7) ..... 40.7%\*  
Other Ingredients: ..... 59.3%  
Total: ..... 100.0%

\*Contains 3.77 pounds of active ingredient per gallon.

\*Contains 452 grams of active ingredient per liter.

## KEEP OUT OF REACH OF CHILDREN CAUTION

### FIRST AID

- IF SWALLOWED**
- 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 the 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.

<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>

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

**OCT 9 2009**  
**Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.**

400-544

EPA REG. NO. 400-544  
EPA EST. NO.  
007

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



www.chemtura.com

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

**CAUTION**

Harmful if swallowed.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:** Long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or Viton. 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.
- 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**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Cover or incorporate spilled treated seed. This fungicide may persist in soil and long-term use in the same field may result in an accumulation of active ingredient. Do not contaminate water when disposing of equipment washwater or rinsate.

**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 carefully 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.

**GENERAL**

RANCONA™ 3.8 FS is a systemic broad-spectrum fungicide and seed dressing specifically for protection against soilborne and seedborne disease of crop plants. RANCONA 3.8 FS is active against *Rhizoctonia*, *Fusarium*, and *Phomopsis*. In addition, RANCONA 3.8 FS provides activity against weakly pathogenic fungi such as *Mucor*, *Rhizopus*, *Aspergillus*, *Penicillium*, *Alternaria*, and *Cladosporium*. RANCONA 3.8 FS does not provide activity against *Pythium* spp. or *Phytophthora* spp. To provide best seedling protection against a wide array of fungal pathogens, use RANCONA 3.8 FS in combination with a product containing metalaxyl (such as MetaStar™ ST) at the label rate registered for your crop and disease complex. Consult the label for appropriate use rate and follow all use instructions and precautions for both products. Do not use with other seed treatment products unless previous experience assures compatibility.

RANCONA 3.8 FS may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist-type commercial seed treatment equipment.

*Not for use on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.*

**NOTE: This product is undyed.** The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Any dye added to treated seed must be cleared for use under 40CFR, Part 153.155.

**SEED TREATMENT EQUIPMENT**

RANCONA 3.8 FS may be applied with mechanical, slurry, or mist-type seed treating equipment, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. Uniform application to seed is necessary to ensure best disease protection and optimum performance. Seed should be sound and well-cured before treatment. Refer to the label rates below. Product requires dilution prior to application. Contact your local Chemtura representative or supplier for specific recommendations.

**SEED TREATMENT**

**FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.**

**SOYBEANS**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

**PEANUTS**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

Do not graze or feed livestock on treated areas or on hay grown from treated seed.

**DRIED SHELLED PEAS AND BEANS**

Dried cultivars of bean (*Lupinus* spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); (*Phaseolus* spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean; bean (*Vigna* spp.) (includes adzuki bean, blackeye pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea (*Pisum* spp.) (includes field pea); pigeon pea.

For protection against seedborne and soilborne fungi that cause decay, damping-off, and seedling blight, apply 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

**ROOT VEGETABLES**

Beet (garden), burdock (edible), carrot, celeriac, chervil (turnip-rooted), chicory (roots), chufa, dandelion (roots), ginseng, parsley (turnip-rooted), parsnip, radish, radish (oriental), rutabaga, salsify, salsify (black), salsify (Spanish), skirret, turnip and yam bean.

For protection against seedborne fungi that cause seed decay,

damping-off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed or propagating root of tuber material.

#### **LEAFY VEGETABLES (Except Brassica Vegetables)**

Amaranth (leafy, Chinese spinach, tampala), arugula, cardoon, celery (including Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive, fennel (Florence, finocchio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, spinach, spinach (New Zealand), spinach (vine), and Swiss chard.

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **BRASSICA (COLE) LEAFY VEGETABLES**

Broccoli, broccoli (Chinese), broccoli raab, Brussels sprouts, cabbage (including Chinese bok choy, Chinese napa, and Chinese mustard), cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens.

For protection against seedborne and soilborne fungi that cause seed decay, damping off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **CUCURBIT VEGETABLES**

Chayote, Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (includes hyotan, cucuzza, hechima, Chinese okra), *Momordica*, all muskmelon, pumpkin, squash and watermelon.

For protection against seedborne and soilborne fungi that cause seed decay, damping off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **CEREAL GRAINS (includes Forage and Silage)**

**Corn (Field Corn and Popcorn):** For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.044 – 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

**Sweet corn:** For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

**Sorghum:** For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.17 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

**Wheat, barley, buckwheat, millet, oats, rye, and triticale:** For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **COTTON**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **SUNFLOWER**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **MUSTARD, RAPE, CANOLA**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, as well as for protection against *Phoma lingam* causing blackleg, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **ORNAMENTAL FLOWERS**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **CONIFERS**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.34 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **TURF GRASS**

For protection against seedborne and soilborne fungi that cause seed decay, damping-off, and seedling blight, apply 0.051 – 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

#### **TREATED SEED LABELING**

Seed that has been treated with this product that is then packaged or bagged for future use must contain the following labeling on the outside of the seed package or bag:

"This bag contains seed treated with Ipconazole – Do not use for Food, Feed, or Oil Purposes. Persons opening this bag or loading/pouring the treated seed must wear a long-sleeved shirt, long pants, shoes, socks and chemical-resistant gloves. After seeds have been planted, do not enter or allow worker entry into treated areas

## 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 excess heat. Do not freeze. ALWAYS SHAKE OR STIR WELL BEFORE USE.

### PESTICIDE DISPOSAL:

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Cover or incorporate spilled treated seeds.

**EQUIPMENT CLEANING:** Following applications, all seed treatment equipment should be thoroughly rinsed with water. Do not contaminate water by disposal of equipment washwater or rinsate.

### CONTAINER DISPOSAL:

#### Nonrefillable Container

**Plastic Containers:** Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying. Then offer container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Triple rinse** as follows: For containers with capacities equal to or less than 5 gallons: Empty the remaining contents into application or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

For containers with capacities greater than 5 gallons: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution; for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

#### Refillable Container

**Mini-Bulk Containers:** Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**To clean the container before final disposal,** empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

**Recycling:** Once cleaned, some agricultural plastic pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer, or contact the Ag Container Recycling Council (ACRC) at 1-877-952-2272 (toll free) or [www.acrecycle.org](http://www.acrecycle.org).

**IMPORTANT NOTICE** - Chemtura Corporation warrants that this product conforms to the chemical description and is reasonably fit for the purposes stated on the label only 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, expressed 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.

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 the control of Chemtura, Chemtura makes no claims or guarantees as to germination of carry-over seed.

RANCONA™ is a trademark of Chemtura Corporation

MetaStar™ is a trademark of LG Life Sciences, Ltd.

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