

400-544



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

6/22/2010

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OFFICE OF  
CHEMICAL SAFETY AND  
POLLUTION PREVENTION

June 22, 2010

Michael R. Dupré  
Manager, North American Registrations  
Chemtura Corporation  
199 Benson Road  
Middlebury, CT 06749-0001

Subject: Rancona 3.8 FS  
EPA Reg. No. 400-544  
EPA Decision No. 426452  
Amendment to Upgrade Labeling Language

Dear Mr. Dupré:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

1. On page 2 of 5, under the "General" section within the second sentence replace "Directions for Use" with "Crop".
2. On page 2 of 5, under the "General" section within the "NOTE", delete "or dye" to remain consistent with assertion of modern industry terminology.
3. On page 2 of 5, under the "Treated Seed Labeling" section remove extra "on" from last sentence beginning with "Do not graze or feed...."

One copy of the label stamped "Accepted with comments" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label that incorporates the required changes before the product is released for shipment. If you have any questions, please contact Tawanda Maignan by phone at (703) 308-8050 or via email at Maignan.Tawanda@epa.gov.

Sincerely,

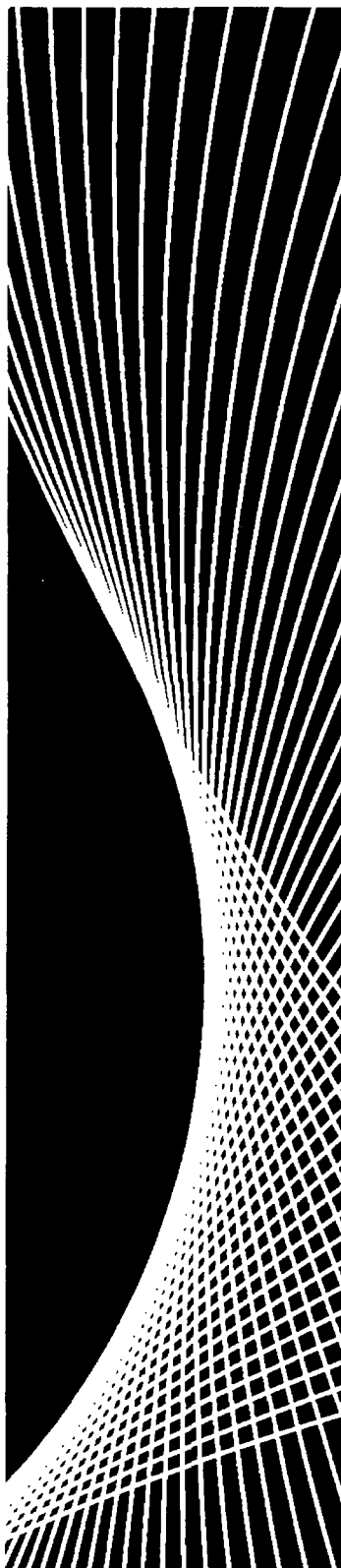
*Tawanda Maignan*  
*for*

Tony Kish  
Product Manager (22)  
Fungicide Branch  
Registration Division (7504P)

Enclosure

2096

# RANCONA™ 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**

**JUN 22 2010  
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.  
009

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



www.chemtura.com

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

**CAUTION**

Harmful if swallowed.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

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*, *Cochliobolus sativus*, *Diaporthe*, and *Phomopsis* as well as against smuts and bunts in cereals (see Directions for Use for specific diseases). In addition, RANCONA 3.8 FS provides activity against weakly pathogenic fungi such as *Mucor*, *Rhizopus*, *Aspergillus*, *Penicillium*, *Alternaria*, *Sclerotinia*, *Botrytis*, 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 colored with a suitable colorant or dye to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Any colorant 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.

**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 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."

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

**SEED TREATMENT: APPLICATION RATES**

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

<b>CEREAL GRAINS</b> (includes Grains, Forage and Silage)			
<b>Crop</b>	<b>RANCONA 3.8 FS Rate (fl. oz. per 100 lbs. seed)</b>	<b>Diseases Controlled</b>	<b>Diseases Suppressed</b>
Wheat	0.051 to 0.085	General seed rots (such as those caused by <i>Aspergillus</i> and <i>Penicillium</i> ). Seed rot, damping off and seedling blight caused by seed and soil borne <i>Fusarium</i> and <i>Cochliobolus sativus</i> . Early Season Root Rot ( <i>Rhizoctonia</i> ). Loose Smut ( <i>Ustilago tritici</i> ). Common bunt ( <i>Tilletia caries</i> , <i>T. foetida</i> ).	Common Root Rot ( <i>Cochliobolus sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> )
Barley	0.051 to 0.085	General seed rots (such as those caused by <i>Aspergillus</i> and <i>Penicillium</i> ). Seed rot, damping off and seedling blight caused by seed and soil borne <i>Fusarium</i> and <i>Cochliobolus sativus</i> . Early Season Root Rot ( <i>Rhizoctonia</i> ). True Loose Smut ( <i>Ustilago nuda</i> ) Covered Smut ( <i>U. hordei</i> ) False Loose Smut ( <i>U. nigra</i> )	Common Root Rot ( <i>C. sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> ) Leaf stripe ( <i>Pyrenophora graminea</i> )
Oats	0.051 to 0.085	General seed rots (such as those caused by <i>Aspergillus</i> and <i>Penicillium</i> ). Seed rot, damping off and seedling blight caused by seed and soil borne <i>Fusarium</i> and <i>Cochliobolus sativus</i> . Early Season Root Rot ( <i>Rhizoctonia</i> ). Loose Smut ( <i>Ustilago avenae</i> ). Covered Smut ( <i>U. kollerii</i> ).	Common Root Rot ( <i>C. sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> )
Rye, Triticale	0.051 to 0.085	General seed rots (such as those caused by <i>Aspergillus</i> and <i>Penicillium</i> ). Seed rot, damping off and seedling blight caused by seed and soil borne <i>Fusarium</i> and <i>Cochliobolus sativus</i> . Early Season Root Rot ( <i>Rhizoctonia</i> ).	Common Root Rot ( <i>C. sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> )
Buckwheat, Millet	0.051 to 0.085	General seed rots (such as those caused by <i>Aspergillus</i> and <i>Penicillium</i> ). Seed rot, damping off and seedling blight caused by seed and soil borne fungi including <i>Fusarium</i> .	
Field Corn, Popcorn	0.044 to 0.085	Seed rot, damping off and seedling blight caused by seed and soil borne fungi.	Root Rot
Sweet Corn	0.085	Seed rot, damping off and seedling blight caused by seed and soil borne fungi.	
Sorghum	0.051 to 0.17	Seed rot, damping off and seedling blight caused by seed and soil borne fungi.	

**SOYBEANS**

For protection against seed rot, damping off and seedling blight including *Fusarium* (seed and soil borne), *Rhizoctonia solani*, and seed borne *Diaporthe* (*Phomopsis*). Also protects against general seed rots caused by saprophytic organisms such as *Penicillium*, and *Aspergillus*, and protects against seed-borne *Botrytis* and *Sclerotinia*. 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, blackeyed 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 seed rot, damping off and seedling blight including *Fusarium* (seed and soil borne) and *Rhizoctonia solani*. Also protects against general seed rots caused by saprophytic organisms such as *Penicillium*, and *Aspergillus*, and protects against seed-borne *Botrytis* and *Sclerotinia*. Provides suppression of seed borne Anthracnose of dry bean. Apply 0.085 fl. oz. of RANCONA 3.8 FS per 100 pounds of seed.

**ROOT VEGETABLES**

Beet (sugar and 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 or 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.

**COTTON**

For protection against seed and soil borne 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.

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## 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 capacity equal to or less than 5 gallons or 50 pounds:* Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ 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 or 50 pounds:* Empty remaining contents into application equipment or a mix tank. Fill the container ¼ 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

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 percent 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 <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  
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