

400-544

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, DC 20460

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

November 12, 2008

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

Subject: Rancona 3.8 FS  
EPA Reg. No. 400-544  
Your Submission Dated January 31, 2007  
Amendment to Add Seed Treatment (EPA Decision No. 374524)

Dear Mr. Dupre:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended, to add seed treatment uses for cotton; soybean; peanut; cereal grains groups 15 and 16, except rice; dried shelled pea and bean, except soybean (subgroup 6C); is acceptable, provided the following changes are made and conditions met:

1. Delete "Agricultural Use Requirements" box because it is not required for commercial seed treatment products (only for at-plant applications).
2. Replace the language under "Treated Seed Labeling" heading with the following:

"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 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.'

3. Acute and Subchronic Neurotoxicity (870.6200) and Immunotoxicity (870.7800) studies are required for all food and non-food use pesticide registrations per the revised 40 CFR Part 158 and must be submitted by November 30, 2010.

4. For the soybean study reported in MRID 45542243 and 45542248, the petitioner must provide the sample analysis dates. In addition, evidence must be provided that the identity of residues did not change during the period between collection and final analysis. Due date is November 30, 2010.
5. For the wheat study reported in MRID 47048924, the petitioner must provide the sample storage conditions for all samples and extracts and provide all sample combustion and analysis dates. The petitioner must explain the discrepancy between their statement that all extractions were completed within 84 days of harvest and the reported extraction dates in Appendix IV of the submission, which indicated that extractions were not completed until 286 days after harvest. Evidence must be provided that the identity of residues did not change during the period between collection and final analysis. Due date is November 30, 2010.
6. Additional storage stability data/information must be submitted for the extracts of certain barley and wheat commodities samples. For the barley and wheat crop field trial studies reported in MRIDs 47048925 and 47048930, the petitioner must submit the conditions of extract storage, and provide storage stability data to support the storage of extracts for durations up to 36 days (barley commodities) or 43 days (wheat commodities). If the petitioner can provide data demonstrating that the extracts of fortified untreated samples for concurrent method recovery analyses were stored for the same durations and under the same conditions as the extracts of treated samples, these data will be considered adequate to support the extended extract storage conditions. Due date is November 30, 2010.
7. The method, as written, does not meet the general requirement as a confirmatory method since only one MS/MS ion transition is documented. The method must be revised to include a second, confirmatory ion transition to provide unambiguous confirmation of analyte identity. Due date is November 30, 2010.
8. The completed radiotracer study for peanuts must be submitted by December 31, 2008.
9. A new Chronic Exposure study on *Daphnia magna* to address this data gap must be submitted by November 30, 2010.
10. Submit a revised generic data matrix which correctly addresses all required generic data. If you have questions, please contact us to discuss the revisions required for the subject matrix. Due date is December 31, 2008.

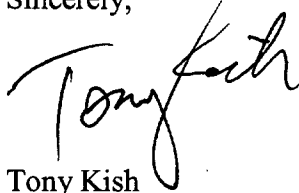
Also, bear in mind, in the Agency's risk assessment for 1,2,4-triazole and its metabolites triazole alanine, and triazole acetic acid, dated February 7, 2006 (see docket number 2005-0497 at <http://www.regulations.gov>), the Agency identified additional data that are needed for triazole-derivative active ingredients which have the 1,2,4,-triazole ring. The Agency plans to issue a Data Call-In for all triazole-derivative active ingredients which will identify all data needs for

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these active ingredients listed in the February 7, 2006 risk assessment. The Data Call-In will not address data needs that are related to parent-only data requirements.

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 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](mailto:maignan.tawanda@epa.gov).

Sincerely,



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

Enclosure

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# 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**

**NOV 12 2008**

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

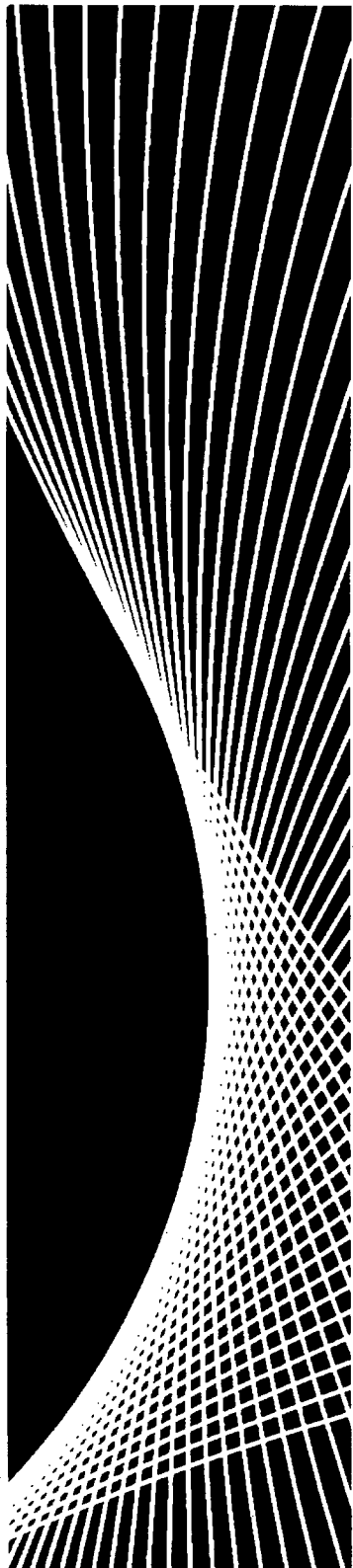
400-544

EPA REG. NO. 400-544  
EPA EST. NO.  
003

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**

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.

**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.

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 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 treated seed.

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 such as barrier laminate, butyl rubber, nitrile rubber, or Viton; shoes plus socks.

**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.

**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, 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 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 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.

## 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 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, SUNFLOWERS

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."

On peanut seed treated with this product, include the statement:

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

## 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 container (or equivalent) 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.

#### **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% 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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