

400-592

6/18/2014

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Mr. Allen Blem  
Chemtura Corporation  
199 Benson Road  
Middlebury, Connecticut 06749

JUN 18 2014

Subject: Product Name: Rancona CTS Seed Protectant  
EPA Reg. No. 400-592  
Submission date: 5/20/2014  
Label Amendment: Correct a First Aid Statement in the section "If on Skin or clothing" and reduce the slurry application volume to "3 to 6 fl oz. per 100 lb of seed"  
Decision Number 491849

Dear Registrant:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable under FIFRA 3 (c) (5).

One copy of the label stamped "Accepted" is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

If you have questions concerning this letter, please call Banza Djapao at 703-305-7269, or via email at [djapao.banza@epa.gov](mailto:djapao.banza@epa.gov) or you may call me at 703-308-9443.

Sincerely,

A handwritten signature in black ink that reads "Banza Djapao for".

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

# RANCONA<sup>®</sup> CTS

## SEED PROTECTANT

Active Ingredients (% by weight):

ipconazole (CAS No. 125225-28-7).....	2.42%*
metalaxyl (CAS No. 57837-19-1).....	1.94%*
Other Ingredients: .....	95.64%
Total:.....	100.00%

\*Contains 0.209 lb. ipconazole and 0.167 lb. metalaxyl per gallon.

\*Contains 25 grams ipconazole and 20 grams metalaxyl per liter.

**KEEP OUT OF REACH OF CHILDREN**

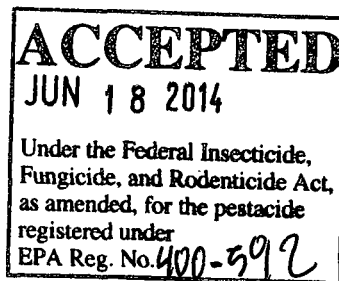
### CAUTION

<b>FIRST AID</b>							
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>						
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>						
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.</li> </ul>						
<p><b>EMERGENCY ASSISTANCE:</b> Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>MEDICAL EMERGENCY</b></td> <td style="text-align: right;"><b>800-292-5898</b></td> </tr> <tr> <td><b>TRANSPORTATION EMERGENCY (CHEMTREC)</b></td> <td style="text-align: right;"><b>800-424-9300</b></td> </tr> <tr> <td><b>PRODUCT SAFETY DATA (MSDS)</b></td> <td style="text-align: right;"><b>866-430-2775</b></td> </tr> </table>		<b>MEDICAL EMERGENCY</b>	<b>800-292-5898</b>	<b>TRANSPORTATION EMERGENCY (CHEMTREC)</b>	<b>800-424-9300</b>	<b>PRODUCT SAFETY DATA (MSDS)</b>	<b>866-430-2775</b>
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<b>PRODUCT SAFETY DATA (MSDS)</b>	<b>866-430-2775</b>						
<p>For PRODUCT USE INFORMATION: Call 800-243-2850</p>							

Net Contents:

EPA REG. NO. 400-592  
 EPA EST. NO.  
 003/

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



[www.ChemturaAgroSolutions.com](http://www.ChemturaAgroSolutions.com)

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

Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

**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; chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or Viton; and shoes plus socks. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE may be reduced or modified as specified in the WPS.

**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.

Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. Do not contaminate water when disposing of equipment washwater or rinsate. Ipconazole may persist in soil, and long-term use in the same field may result in an accumulation of active ingredient.

Groundwater Advisory: Metalaxyl is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**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.

Do not enter or allow worker entry into treated areas during the **restricted entry interval (REI) of 24 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 subsurface or 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: long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton; shoes plus socks.

### USE INFORMATION

RANCONA® CTS Seed Protectant is a systemic and contact broad-spectrum fungicide for seed treatment that protects against a wide variety of diseases. RANCONA CTS is effective against smuts, bunts, *Fusarium*, *Diaporthe (Phomopsis)*, *Rhizoctonia*, *Pythium* and seed-borne *Sclerotinia*. It is also effective against seed rot fungi such as *Aspergillus* and *Penicillium*. Seed should be sound and well cured before treatment.

RANCONA CTS Seed Protectant may be used in combination with a mefenoxam or metalaxyl containing product (such as BELMONT® 2.7 FS) for enhanced *Pythium* and *Phytophthora* protection. Agitate the slurry to maintain uniformity. Recalibrate treating equipment to compensate for the addition of the other seed treatment products.

**NOTE regarding maximum usage when applying multiple metalaxyl and/or mefenoxam containing products to the same crop within the same season:** Do not apply more than the maximum seasonal total for the active ingredient as stated on the label containing the lowest seasonal total on that crop.

Do not use RANCONA CTS in combination with other seed treatment products unless their compatibility has been verified. Always read and follow carefully all label directions and precautions of each combination product. When using combinations of products, the most restrictive of label limitations and precautions must be followed. Do not tank mix with any pesticide that has a prohibition against tank mixing.

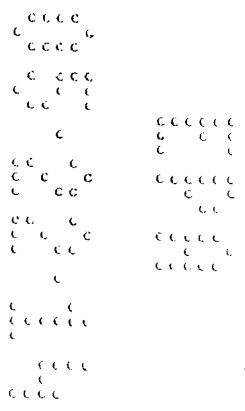
**NOTE: This product is undyed.** The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately colored with a suitable colorant to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, Part 2.25. Any colorant added to treated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

### SEED TREATMENT EQUIPMENT

Apply RANCONA CTS Seed Protectant using 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.

RANCONA CTS must be diluted with water or mixed with other registered seed treatment products before use, in order to achieve good uniformity of treatment. **Use a total slurry application volume of 3 to 6 fl. oz. per 100 lb. of seed.** The actual slurry volume will depend on the type of treater, other seed treatment products that are used in combination, and/or seed and facility temperatures. Mix RANCONA CTS and water or other seed treatment products thoroughly into a slurry before treating seed. Recalibrate treating equipment to apply the targeted slurry volume, taking into account the total treatment and dilution water volumes. Contact your local Chemtura representative or supplier for specific recommendations.

**Equipment Cleaning:** Following applications, thoroughly rinse seed treatment equipment with water. Do not contaminate water by disposal of equipment washwater or rinsate.



APPLICATION RATE

Crop	RANCONA <sup>®</sup> CTS Rate per 100 lbs. Seed	Symptoms Controlled (Disease Organism)	Symptoms Suppressed (Disease Organism)
Soybeans	1.53 fl. oz. or To deliver 0.0073 mg.ai. per seed, apply 0.76 fl.ozs. of product per 140,000 seeds (Based on average of 2,800 seeds per lb.)	Seed rot, damping off and seedling blight, including seed- and soil-borne <i>Fusarium</i> , and <i>Rhizoctonia solani</i> . General seed rots (including those caused by saprophytic organisms such as <i>Penicillium</i> and <i>Aspergillus</i> ). Seed-borne <i>Phomopsis (Diaporthe)</i> , <i>Botrytis</i> and <i>Sclerotinia</i>	<i>Pythium</i> seed rot, damping off and seedling blight
Dried shelled beans and peas: Bean ( <i>Lupinus</i> spp.) (includes grain lupine, sweet lupine, white lupine, and white sweet lupine); Bean ( <i>Phaseolus</i> spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean); Bean ( <i>Vigna</i> spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); Pea ( <i>Pisum</i> spp.) (includes field pea); broad bean (dry); chickpea; guar; lablab bean; lentil; pigeon pea.	1.53 fl. oz. or Beans: To deliver 0.0127 mg.ai. per seed, apply 0.96 fl.ozs. of product per 100,000 seeds (Based on average of 1,600 seeds per lb.) Peas: To deliver 0.0064 mg.ai. per seed, apply 0.48 fl.ozs. of product per 100,000 seeds (Based on average of 3,200 seeds per lb.)	Seed rot, damping off and seedling blight, including seed- and soil-borne <i>Fusarium</i> , and <i>Rhizoctonia solani</i> . General seed rots (including those caused by saprophytic organisms such as <i>Penicillium</i> and <i>Aspergillus</i> ). Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Seed-borne Anthracnose of bean <i>Pythium</i> seed rot, damping off and seedling blight
Wheat (Spring and Winter)	0.92 to 1.53* fl.oz. or To deliver 0.0009 - 0.0016 mg.ai. per seed, apply 0.071- 0.118 fl.ozs. of product per 100,000 seeds (Based on average of 13,000 seeds per lb.)	General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i> ) Seed rot, damping off and seedling blight (Seed- and soil-borne <i>Fusarium</i> , and <i>Cochliobolus sativus</i> ) Loose Smut ( <i>Ustilago tritici</i> ) Common Bunt ( <i>Tilletia caries</i> , <i>T. foetida</i> ) Early Season Root Rot ( <i>Rhizoctonia</i> )	Common root rot ( <i>Cochliobolus sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> ) <i>Pythium</i> seed rot, damping off and seedling blight*

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Crop	RANCONA <sup>®</sup> CTS Rate per 100 lbs. Seed	Symptoms Controlled (Disease Organism)	Symptoms Suppressed (Disease Organism)
Barley	0.92 to 1.53* fl.oz. or To deliver 0.0009 - 0.0016 mg.ai. per seed, apply 0.071- 0.118 fl.ozs. of product per 100,000 seeds (Based on average of 13,000 seeds per lb.)	General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i> ) Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , and <i>Cochliobolus sativus</i> ) True Loose Smut ( <i>Ustilago nuda</i> ) Covered Smut ( <i>U. hordei</i> ) False Loose Smut ( <i>U. nigra</i> ) Early Season Root Rot ( <i>Rhizoctonia</i> )	Common root rot ( <i>Cochliobolus sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> ) Leaf Stripe ( <i>Pyrenophora graminea</i> ) <i>Pythium</i> seed rot, damping off and seedling blight*
Oats	0.92 to 1.53* fl.oz. or To deliver 0.0009 - 0.0016 mg.ai. per seed, apply 0.071- 0.118 fl.ozs. of product per 100,000 seeds (Based on average of 13,000 seeds per lb.)	General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i> ) Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , and <i>Cochliobolus sativus</i> ) Loose Smut ( <i>Ustilago avenae</i> ) Covered Smut ( <i>U. segetum var. hordei</i> )	Common root rot ( <i>Cochliobolus sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> ) <i>Pythium</i> seed rot, damping off and seedling blight*
Rye, Triticale	0.92 to 1.53* fl.oz. or To deliver 0.0006 - 0.0011 mg.ai. per seed, apply 0.049- 0.081 fl.ozs. of product per 100,000 seeds (Based on average of 18,850 seeds per lb.)	General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i> ) Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , and <i>Cochliobolus sativus</i> )	Common root rot ( <i>Cochliobolus sativus</i> ) Crown and Foot Rot ( <i>Fusarium</i> ) <i>Pythium</i> seed rot, damping off and seedling blight*
Sorghum	1.53 fl. oz. or To deliver 0.0011 mg.ai. per seed, apply 0.085 fl.ozs. of product per 100,000 seeds (Based on average of 18,000 seeds per lb.)	Seed rot, damping off and seedling blight	Root rot <i>Pythium</i> seed rot, damping off and seedling blight

\*The rate of 1.53 fl oz. per 100 lbs of seed is needed to provide control of *Pythium* seed rot, damping-off and seedling blight on wheat, barley, oats, rye and triticale.

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## TREATED SEED LABELING

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

"This package or bag contains seed which has been treated with ipconazole and metalaxyl.

- Do not use for food, feed or oil purposes. Store away from feeds and foodstuffs.
- Persons opening this bag or package or loading/pouring the treated seed must wear a long-sleeved shirt; long pants; chemical resistant gloves such as barrier laminate, butyl rubber, neoprene or Viton; shoes and socks.
- After seeds have been planted, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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 subsurface or 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: long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton; shoes plus socks.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements."

### USE RESTRICTIONS AND PRECAUTIONS

- Do not use treated seed for food, feed or oil purposes.
- Care must be exercised in the handling of treated seed. Do not use augers used for handling treated seed to move seed for feed, food or oil processing. Do not re-use packaging from treated seed to handle food or feed products. Dispose of seed packaging or containers in accordance with local requirements.
- IN CALIFORNIA: ONLY for use in commercial seed-treatment establishments. NOT allowed for "on-farm" use.

**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 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.

**ALWAYS SHAKE, STIR OR OTHERWISE MIX THIS PRODUCT WELL BEFORE USE**

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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, stir or otherwise mix this product 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.

### 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 if available, reconditioning if appropriate, 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:* Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume - and recap. Shake for 30 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

*For containers with capacities greater than 5 gallons:* Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition, with a maximum of 1/4 of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

#### 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 into application equipment or mix tank. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition, with a maximum of 10% of the container volume. Replace and tighten closure. Agitate vigorously or recirculate the rinsate with a pump for at least 2 minutes, ensuring that the rinsate rinses the walls of the container. Empty the rinsate into application equipment or rinsate collection system, for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

#### 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 reasonable 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 Corporation, Chemtura Corporation makes no claims or guarantees as to germination of carry-over seed.

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