

Rancona® V RTU FS

SEED PROTECTANT

Active Ingredients:

carboxin (CAS No. 5234-68-4)	12.58%*
metalaxyl (CAS No. 57837-19-1)	1.26%**
ipconazole (CAS No. 125225-28-7)	0.47%***
Other Ingredients****:	85.69%
TOTAL:	100.00%

*Contains 1.11 lbs. carboxin per gallon, or 133 grams carboxin per liter

**Contains 0.111 lbs. metalaxyl per gallon, or 13.3 grams metalaxyl per liter

***Contains 0.042 lbs. ipconazole per gallon, or 5.00 grams ipconazole per liter

****Contains petroleum distillate

EPA REG. NO. 400-595

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF SWALLOWED:

- Immediately call a poison control center or doctor.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give any liquid to the person.
- Do not give anything to an unconscious person.

IF IN EYES:

- 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.
- Call a poison control center or doctor for treatment advice.

NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.

EMERGENCY ASSISTANCE: Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR 24-HOUR MEDICAL EMERGENCY ASSISTANCE
CALL ROCKY MOUNTAIN POISON AND DRUG SAFETY: 1-866-673-6671.
FOR 24-HOUR CHEMICAL EMERGENCY (Spills, leaks, fire, exposure or accident)
CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.**

For PRODUCT USE INFORMATION: Call 1-800-438-6071

NET CONTENTS: _____ Gallons

020714V004Sp

Manufactured for:

MacDermid Agricultural Solutions, Inc. c/o UPL NA INC.

630 Freedom Business Center, Suite 402, King of Prussia, PA 19406

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

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.

All Mixers, Loaders, Applicators and other handlers must wear: Long-sleeved shirt and long pants; socks plus shoes; chemical-resistant apron when mixing or loading; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, or Viton and protective eyewear.

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 Requirements: Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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/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 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 seeds. Do not contaminate water when disposing of equipment washwater or rinsate or by disposal of wastes.

Ipconazole may persist in soil, and long-term use in the same field may result in an accumulation of ipconazole.

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.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional office of the EPA.

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, either directly or through drift. 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: coveralls and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, or Viton; shoes plus socks.

PRODUCT INFORMATION

RANCONA® V RTU FS is a broad-spectrum, ready to use seed treatment fungicide containing carboxin, metalaxyl and ipconazole for the control of labeled diseases on barley, oats and wheat. Seed should be sound and well cured before treatment.

ALWAYS SHAKE, STIR OR OTHERWISE MIX THIS PRODUCT WELL BEFORE USING

SEED TREATMENT EQUIPMENT

RANCONA V RTU FS is formulated for both commercial and for on-farm application. This product may be applied utilizing 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. Refer to the label rates below. Not for use in hopper-box, planter-box or slurry-box seed treatment applications.

In most cases, **RANCONA V RTU FS** is ready to use and can be applied undiluted. However, dilution with water or container rinsate may be appropriate for some types of treaters and/or treating under dry and/or hot conditions to achieve more uniform product to seed coverage. **RANCONA V RTU FS** and water or container rinsate should be mixed thoroughly prior to treating seed. Recalibrate treating equipment to compensate for the addition of water or container rinsate. The amount of dilution water or container rinsate that is most suitable depends on the crop type, seed quality, treater type and weather conditions with no dilution being necessary in most situations. Contact your local MacDermid representative or supplier for specific recommendations on dilution or tank mixes.

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RANCONA V RTU FS must be THOROUGHLY AGITATED to ensure uniform mixing of the product, both prior to and during application.

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

APPLICATION INSTRUCTIONS

RANCONA V RTU FS contains the systemic fungicides ipconazole and carboxin, and the contact fungicide metalaxyl, for the control or suppression of the diseases listed in the table below.

Crop	Application Rate	Diseases Controlled	Diseases Partially Controlled*
Barley	4.6 fl. oz. / 100 lbs. seed ----- To deliver 0.0157 mg.ai. per seed, apply 0.35 fl. oz./100,000 seeds (based on an average of 13,000 seeds per lb.)	Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , <i>Pythium</i> and <i>Cochliobolus sativus</i>) Early season seedling blight (<i>Rhizoctonia</i>) General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i>) True Loose Smut (<i>Ustilago nuda</i>) Covered Smut (<i>Ustilago hordei</i>) False Loose Smut (<i>Ustilago nigra</i>) Leaf Stripe (<i>Pyrenophora graminea</i>)	Common root rot (<i>Cochliobolus sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.) Leaf Stripe (<i>Pyrenophora graminea</i>)
Wheat (Spring and Winter)	4.6 fl. oz. / 100 lbs. seed ----- To deliver 0.0157 mg.ai. per seed, apply 0.35 fl. oz./100,000 seeds (based on an average of 13,000 seeds per lb.)	Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , <i>Pythium</i> and <i>Cochliobolus sativus</i>) Early season seedling blight (<i>Rhizoctonia</i>) General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</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> spp.)
Oats	4.6 fl. oz. / 100 lbs. seed ----- To deliver 0.0157 mg.ai. per seed, apply 0.35 fl. oz./100,000 seeds (based on an average of 13,000 seeds per lb.)	Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , <i>Pythium</i> and <i>Cochliobolus sativus</i>) Early season seedling blight (<i>Rhizoctonia</i>) General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i>) Loose Smut (<i>Ustilago avenae</i>) Covered Smut (<i>Ustilago segetum</i> var. <i>hordei</i>)	Common root rot (<i>Cochliobolus sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.)
Triticale	4.6 fl. oz. / 100 lbs. seed ----- To deliver 0.0107 mg.ai. per seed, apply 0.24 fl. oz./100,000 seeds (based on an average of 18,850 seeds per lb.)	Seed rot, damping off and seedling blight (seed- and soil-borne <i>Fusarium</i> , <i>Pythium</i> and <i>Cochliobolus sativus</i>) Early season seedling blight (<i>Rhizoctonia</i>) General seed rots (including those caused by <i>Penicillium</i> and <i>Aspergillus</i>)	Common root rot (<i>Cochliobolus sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.)

* Partial control can either mean erratic control from good to poor, or consistent control at a level below that is generally considered acceptable for commercial disease control.

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. Augers used for handling treated seed must not be used to move seed for feed, food or oil processing.

Laboratory and field studies have shown that **RANCONA V RTU FS** Seed Protectant will not adversely affect seed germination. Due to seed quality conditions beyond the control of MacDermid, no claims are made to guarantee germination of carry-over seed as an untreated seed lot may decline in germination with storage irrespective of seed treatment application. Treatment of highly mechanically damaged seed or seed of known low vigor and poor quality may result in reduced germination and/or reduction of seed and seedling vigor. If seed lot quality is unknown, conduct a germination test on a small portion of seed before committing the total seed lot to a selected chemical treatment.

DO NOT use **RANCONA V RTU FS** Seed Protectant in combination with other seed treatment products unless compatibility has been verified. Read and follow carefully all label directions of each combination product. When using combinations of products, the most restrictive of label limitations and precautions must be followed.

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

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 carboxin, metalaxyl and ipconazole. Do not use treated seed for food or animal feed or processing for oil. Persons opening this bag or loading/pouring the treated seed must wear a long-sleeved shirt, long pants, chemical resistant gloves, shoes and 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.

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 and covered by soil or other planting media, the Worker Protection Standard allows workers to enter the treated area without restriction if there will be no contact with soil/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, shoes plus socks.

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

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 seed. To determine whether your County or Parish has a bulletin, consult <http://www.epa.gov/espp> before each season's use of this product. Bulletins also may be available from local pesticide dealers, extension offices, or State pesticide agencies.

Excess seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practices."

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. Due to its viscosity, store this product above 50°F prior to and during application. DO NOT store **RANCONA V RTU FS** Seed Protectant at low temperatures. PROTECT FROM FREEZING. DO NOT apply direct heat to the container. ALWAYS SHAKE, STIR OR OTHERWISE MIX THIS PRODUCT WELL BEFORE USING.

PESTICIDE DISPOSAL:

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

CONTAINER HANDLING:

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.

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 (if the treating mixture composition permits it) up to 1/4 of the container volume - 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. 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 or 50 pounds: Empty the remaining contents into application equipment or a mix tank. Add water - at least 2% of the container volume, and (if the treating mixture composition permits it) up to 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. 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 (if the treating mixture composition permits it) up to 1/4 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.

IMPORTANT NOTICE - Seller warrants that this product conforms to the chemical description and is a 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 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 MacDermid Agricultural Solutions, Inc., MacDermid Agricultural Solutions, Inc. makes no claims or guarantees as to germination of carry-over seed.

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