

PEEL HERE
TO OPEN 

Rancona[®] 3.8 FS

seed treatment

ACTIVE INGREDIENT:	% BY WT.
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 / PRECAUCIÓN

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

See inside booklet for additional First Aid, Precautionary Statements, and Directions for Use.

Produced For:
MacDermid Agricultural Solutions, Inc.
c/o ARYSTA LIFESCIENCE NORTH AMERICA, LLC
15401 Weston Parkway, Suite 150
Cary, NC 27513

EPA Reg. No. 400-544

 EPA Est. No. 089332-GA-002

 EPA Est. No. 070815-GA-001

The EPA Establishment Number is identified by the circled
letters that match the first two letters in the batch number

072517V023

104181-B (1017)

NET CONTENTS: 2.5 GALLONS

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 by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

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 PROPHARMA: 1-866-303-6952 or +1-651-603-3432.

FOR 24-HOUR CHEMICAL EMERGENCY (Spill, leaks, fire, exposure or accident) CALL CHEMTREC: 1-800-424-9300 or +1-703-527-3887.

For Product Use Information Call 1-866-761-9397

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.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Socks and shoes,
- 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 thoroughly with soap and water after handling and 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 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 seed treatment specifically for protection against a wide variety of soil borne and seed borne diseases as listed in the Application Instructions table for the specific crops. **RANCONA 3.8 FS** does not provide activity against *Pythium* spp. or *Phytophthora* spp. To provide best seedling protection against these specific fungal pathogens, use **RANCONA 3.8 FS** in combination with a product containing metalaxyl (such as BELMONT® 2.7 FS) 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. For broader spectrum control, **RANCONA 3.8 FS** may be mixed in a water-based slurry with other registered seed treatment insecticides and fungicides, however, do not use with other seed treatment products unless previous experience assures compatibility.

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

RANCONA 3.8 FS may be applied with standard mechanical, slurry, or mist-type commercial seed treating equipment only, provided that the equipment can be calibrated to accurately and uniformly apply the product to seed. *Do not use RANCONA 3.8 FS on agricultural establishments in hopper-box, planter-box, slurry-box or other seed treatment applications at or immediately before planting.*

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 in **APPLICATION INSTRUCTIONS**. Product requires dilution prior to application. Contact your local Arysta LifeScience North America, LLC 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."

APPLICATION INSTRUCTIONS

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

Crop	Application Rate	Diseases Controlled	¹ Diseases Partially Controlled
Wheat	0.051 - 0.085 fl oz per 100 lb seed To deliver 0.0005 - 0.0009 mg ai per seed, apply 0.004 - 0.007 fl oz per 100,000 seeds (Based on average of 13,000 seeds per lb)	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus sativus</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.)
Barley	0.051 - 0.085 fl oz per 100 lb seed To deliver 0.0005 - 0.0009 mg ai per seed, apply 0.004 - 0.007 fl oz per 100,000 seeds (Based on average of 13,000 seeds per lb)	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</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>)	Common Root Rot (<i>Cochliobolus sativus</i>) Crown and Foot Rot (<i>Fusarium</i> spp.) Leaf stripe (<i>Pyrenophora graminea</i>)

Crop	Application Rate	Diseases Controlled	¹ Diseases Partially Controlled
Oats	<p>0.051 - 0.085 fl oz per 100 lb seed</p> <p>To deliver 0.0005 - 0.0009 mg ai per seed, apply 0.004 - 0.007 fl oz per 100,000 seeds (Based on average of 13,000 seeds per lb)</p>	<p>Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.)</p> <p>Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus sativus</i>)</p> <p>Loose Smut (<i>Ustilago avenae</i>)</p> <p>Covered Smut (<i>U. kollerii</i>)</p>	<p>Common Root Rot (<i>Cochliobolus sativus</i>)</p> <p>Crown and Foot Rot (<i>Fusarium</i> spp.)</p>
Rye, Triticale	<p>0.051 - 0.085 fl oz per 100 lb seed</p> <p>To deliver 0.0004 - 0.0006 mg ai per seed, apply 0.003 – 0.005 fl oz per 100,000 seeds (Based on average of 18,850 seeds per lb)</p>	<p>Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.)</p> <p>Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Cochliobolus sativus</i>)</p>	<p>Common Root Rot (<i>Cochliobolus sativus</i>)</p> <p>Crown and Foot Rot (<i>Fusarium</i> spp.)</p>
Buckwheat, Millet	<p>0.051 - 0.085 fl oz per 100 lb seed</p>	<p>Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.)</p> <p>Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)</p>	
Field Corn, Sweet Corn, Popcorn	<p>0.044 - 0.085 fl oz per 100 lb seed</p> <p>For field corn: To deliver 0.0035 - 0.0067 mg ai per seed, apply 0.021 – 0.040 fl oz per 80,000 seeds (Based on average of 1,680 seeds per lb)</p> <p>For sweet corn: To deliver 0.0019 – 0.0036 mg ai per seed, apply 0.011 – 0.022 fl oz per 80,000 seeds (Based on average of 3,150 seeds per lb)</p> <p>For popcorn: To deliver 0.0019 - 0.0037 mg ai per seed, apply 0.012 – 0.022 fl oz per 80,000 seeds (Based on average of 3,060 seeds per lb)</p>	<p>Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.)</p> <p>Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)</p>	<p>Root Rot (<i>Fusarium</i> spp.)</p>
	<p>0.34 fl oz per 100 lb seed</p> <p>For field corn: To deliver 0.0269 mg ai per seed, apply 0.16 fl oz per 80,000 seeds (Based on average of 1,680 seeds per lb)</p> <p>For sweet corn: To deliver 0.0144 mg ai per seed, apply 0.086 fl oz per 80,000 seeds (Based on average of 3,150 seeds per lb)</p> <p>For popcorn: To deliver 0.0148 mg ai per seed, apply 0.089 fl oz per 80,000 seeds (Based on average of 3,060 seeds per lb)</p>	<p>Corn head smut (seed- and soil-borne <i>Sphacelotheca reiliana</i>)</p>	

Crop	Application Rate	Diseases Controlled	¹ Diseases Partially Controlled
Sorghum	0.051 - 0.17 fl oz per 100 lb seed	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Soybeans	0.085 fl oz per 100 lb seed To deliver 0.0040 mg ai per seed, apply 0.043 fl oz per 140,000 seeds (Based on average of 2,800 seeds per lb)	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights [seed- and/or soil-borne <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> and <i>Phomopsis (Diaporthe)</i>] Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Root rot caused by <i>Fusarium</i> spp.
Beans (dried or succulent shelled and edible podded)	0.085 fl oz per 100 lb seed To deliver 0.0071 mg ai per seed, apply 0.053 fl oz per 100,000 seeds (Based on average of 1,600 seeds per lb)	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>) Seedling blight (seed-borne <i>Ascochyta</i> spp.) Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Root rot (<i>Fusarium</i> spp.) Anthracnose (seed-borne <i>Colletotrichum lindemuthianum</i>)
Peas (dried or succulent shelled and edible podded)	0.085 fl oz per 100 lb seed To deliver 0.0035 mg ai per seed, apply 0.027 fl oz per 100,000 seeds (Based on average of 3,200 seeds per lb)	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>) Seedling blight (seed-borne <i>Ascochyta</i> spp.) Seed-borne <i>Botrytis</i> and <i>Sclerotinia</i>	Root rot (<i>Fusarium</i> spp.)
Sunflower	0.051 - 0.085 fl oz per 100 lb seed	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	
Cotton	0.051 - 0.34 fl oz per 100 lb seed	Seed rots (seed- and soil-borne <i>Aspergillus</i> spp. and <i>Penicillium</i> spp.) Seed rot, damping off and seedling blights (seed- and/or soil-borne <i>Fusarium</i> spp. and <i>Rhizoctonia solani</i>)	

¹Partial control can either mean erratic control from good to poor, or consistent control at a level below that generally considered acceptable for commercial disease control.

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 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 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.

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.

Warranty and Disclaimer Statement

The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Such risks may arise from weather conditions, soil factors, off-target movement, unconventional farming techniques, the presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of MacDermid Agricultural Solutions, Inc. ("MacDermid"), and can cause crop injury, injury to non-target crops or plants, ineffectiveness of the product, or other unintended consequences. All such risks shall be assumed by the user or buyer.

MacDermid warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions. This warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to MacDermid, and is subject to the inherent risks described above.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MACDERMID DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MACDERMID, MANUFACTURER, AND SELLER DISCLAIM AND SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE, HANDLING, APPLICATION, STORAGE, OR DISPOSAL OF THIS PRODUCT OR FOR DAMAGES IN THE NATURE OF PENALTIES, AND THE USER AND BUYER WAIVE ANY RIGHT THAT THEY MAY HAVE TO SUCH DAMAGES. NO AGENT, REPRESENTATIVE OR EMPLOYEE OF MACDERMID IS AUTHORIZED TO MAKE ANY WARRANTY, GUARANTEE OR REPRESENTATION BEYOND THOSE CONTAINED HEREIN OR TO MODIFY THE WARRANTIES CONTAINED HEREIN.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE TOTAL LIABILITY OF MACDERMID, MANUFACTURER, AND SELLER, SHALL BE LIMITED TO THE PURCHASE PRICE PAID, OR AT MACDERMID'S ELECTION, THE REPLACEMENT OF THE PRODUCT.

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seed treatment

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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Applicators and other handlers must wear:

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FIRST AID	
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