Raxil® Rise

Net Contents:

2.5 Gallons

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE
TEBUCONAZOLE	GROUP	3	FUNGICIDE
METALAXYL	GROUP	4	FUNGICIDE
PENFLUFEN	GROUP	7	FUNGICIDE

ACTIVE INGREDIENTS:

Prothioconazole: 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl) -2-hydroxypropyl] - 1,2- dihydro-3*H*-1,2,4-triazole-3-thione **1.45%**

Tebuconazole: (Alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl) -1*H*-1,2,4-triazole-1- ethanol) **0.29%**

Metalaxyl: N- (2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester **0.58%**

Penflufen: N-[2-(1,3-dimethylbutyl)phenyl]-5-fluoro-1,3-dimethyl- 1*H*-pyrazole-4-carboxamide **1.45%**

OTHER INGREDIENTS: **96.23%**

TOTAL: **100.00%**

Contains 0.129 pound prothioconazole per U.S. gallon (15.4 grams AI/liter)
Contains 0.025 pound tebuconazole per U.S. gallon (3.0 grams AI/liter)
Contains 0.052 pound metalaxyl per U.S. gallon (6.2 grams AI/liter)
Contains 0.129 pound penflufen per U.S. gallon (15.4 grams AI/liter)

EPA Reg. No. 264-1227

KEEP OUT OF REACH OF CHILDREN

CAUTION

Please refer to booklet for additional precautionary statements and directions for use.

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours a Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

Produced for
Bayer CropScience LLC
800 N. Lindbergh Blvd.
St. Louis, MO 63167
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FIRST AID

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 eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Harmful if 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)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils.
- Shoes plus socks

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 remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothes.

Users should 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.

Keep children and pets out of the treated area until sprays have dried.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds, mammals, fish, aquatic invertebrates, and freshwater/estuaries/marine aquatic plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash water or rinsate. Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seed spilled during loading.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water and sediment from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Groundwater Advisory

This product contains chemicals known to leach through soil into ground water under certain conditions as a result of label use. These chemicals are known to leach through soil into groundwater under certain conditions as a result of label use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow. Therefore, contain any product spills or equipment leaks and dispose of wastes according to the disposal instructions on this label.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only workers wearing personal protective equipment may be in the area when seed is being treated or bagged. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Treated seed exposed on soil surfaces may be hazardous to birds or mammals. Cover or collect seed spilled during loading. If seeds are not thoroughly incorporated by the planter during planting, additional incorporation may be required to thoroughly cover exposed seeds.

PRODUCT INFORMATION

Raxil® Rise is a combination of the systemic fungicides, prothioconazole, tebuconazole, metalaxyl and penflufen which aids in the protection of the following seed, seedling and soilborne diseases of wheat, barley, oats, and triticale.

Raxil Rise is a ready-to-use seed treatment formulation for use in commercial seed treatment operations (facilities and mobile treaters) and for on-farm treatment with conventional seed treating equipment which can accurately meter, mix and apply flowable seed treatment formulations.

USE RESTRICTIONS

- Maximum usage when applying both metalaxyl- and mefenoxam-containing products to the same crop within the same year: Do not apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop. The maximum application rate for metalaxyl- and mefenoxam- containing products (including seed treatments, foliar applications, soil application) is 12.3 lb per acre per calendar year. DO NOT apply more than 12.3 lb of active ingredient metalaxyl per acre per calendar year.
- All seed must be adequately dyed 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.
- Not for use on agricultural establishments in hopper-box, planter-box, slurry-box, or other seed-treatment applications at or immediately before planting.

Refer to the specific use directions and restrictions in each Crop, Crop Group or Crop Subgroup table.

APPLICATION DIRECTIONS

- Apply this product only as specified on this label. Use 5.0 fluid ounces of Raxil Rise per 100 pounds of seed.
- Dilute product with sufficient water to ensure complete seed coverage. A 1 part Raxil Rise with 1 part water dilution may be used.
- Apply to high quality, properly cleaned seed.
- This product is for commercial or on-farm application. Uniform application to seed is necessary to ensure seed safety and best disease control. Only use seed that is sound and well cured prior to treatment. Consult your area agronomist regarding planting depth specifications for the particular variety to be planted.

Compatibility

Raxil Rise may be used in combination with Gaucho 600 Flowable – both applied at approved, labelled rates.

It is essential that the compatibility of any seed treatment tank mixture with Raxil Rise is established before using such mixture on a large scale.

For tank mixes: read and observe all label directions, including rates, personal protective equipment, restrictions, and precautions for each product used in tank-mix. Always use in accordance with the most restrictive label restrictions and precautions.

Add Raxil Rise at the labeled rate to a clean quart jar containing approximately one-half the amount of water intended for a final slurry application rate. Next, follow with all other tank mix components that will be used in the total slurry application. Add last the remaining balance of water. The total amount of volume is determined by the seed size and how much is necessary to ensure complete and uniform coverage and distribution on the seed, as well as the type of commercial seed treating application equipment that will be used.

RESISTANCE MANAGEMENT RECOMMENDATION

For resistance management, please note that Raxil Rise contains Group 7 (succinate dehydrogenase inhibitor), two Group 3 (demethylation inhibitors) and a Group 4 (phenylamides) fungicide. Any fungal population may contain individuals naturally resistant to Raxil Rise and other Group 7, Group 3 or Group 4 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of Raxil Rise or other Group 7, Group 3 and 4 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Bayer CropScience LLC at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or university extension specialist to report resistance.

SPECIFIC CROP DIRECTIONS

CROP USE DIRECTIONS

COMMERCIAL OR ON-FARM SEED TREATMENT

Crops: Wheat, Barley, Oats and Triticale

Disease(s) controlled		Product Rate (Per 100 lbs Seed)
Common name	**Scientific name**	
Stinking smut (common bunt)	*Tilletia tritici* and *Tilletia laevis*	
Flag smut	*Urocystis* spp.	
Loose smut	*Ustilago tritici*	
True Loose smut	*Ustilago nuda*	
Covered smut of barley and oats	*Ustilago hordei*	
False loose smut in barley	*Ustilago avanae*	
Early season *Septoria* disease complex	*Mycosphaerella graminicola*	
General seed rots	Root rots caused by soilborne pathogens such as: *Fusarium* spp., *Pythium* spp, *Rhizoctonia solani*, *Penicillium* spp. and *Aspergillus* spp.	**5 fl oz** (13.02 g ai/100 kg seed)
Pythium damping off	*Pythium* spp.	
Early season *Rhizoctonia* root rot	*Rhizoctonia solani*	
Early season common root rot	*Cochliobolus sativus*	
Seedborne *Fusarium* scab	Various *Fusarium* spp.	
Barley stripe	*Pyrenophora graminea*	
Early season *Fusarium* foot rot	*Fusarium* spp.	

Commercial Seed Treatment and On-Farm Seed Treatment – Seed Bag Labeling Requirements

The Federal Seed Act requires that bags containing treated seeds shall be labeled with the following statements:

- This seed has been treated with prothioconazole, metalaxyl, tebuconazole, and penflufen.
- Do not use for food, feed or oil purposes.

The U.S. Environmental Protection Agency requires that bags containing treated seeds shall be labeled with the following statements. Any seed treated with Raxil Rise that is sold or distributed without these statements is an unregistered pesticide, in violation of FIFRA section 12.

- This seed has been treated with Raxil Rise, EPA REG. NO 264-1227 containing prothioconazole, metalaxyl, tebuconazole, and penflufen.
- The contents of this bag are for planting purposes only. Do not use for food, feed or oil purposes.
- Store treated seed away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Plant treated seed into the soil at no less than 0.5 inches. Ensure that all planted seeds are thoroughly incorporated by the planter during planting. Additional incorporation may be required to thoroughly cover exposed seeds.

- Treated seeds exposed on the soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting (such as in row ends).
- Dispose of all excess treated seed. Leftover treated seed may be double sown around the headland or buried away from water sources in accordance with local requirements. Dispose of seed packaging or containers in accordance with local requirements.
- Do not use empty seed bags for any other purpose.
- Surplus seed or empty seed containers are to be stored or disposed according to state or local regulations.
- Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.
- Prothioconazole-desthio (a degradate of prothioconazole), metalaxyl and tebuconazole are known to leach through soil into ground water under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.
- Ensure that planting equipment is functioning properly in accordance with manufacturing specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- This seed has been treated with 5.01 g a.i. of penflufen, 1.0 g a.i. of tebuconazole, 2.0 g a.i. of metalaxyl, and 5.01 g a.i. of prothiconazole per 100 kg of seed.

Seed treated with this product must be visually identifiable from untreated seed by the use of an approved colorant or dye to prevent accidental use of treated seed as food for humans or feed for animals. Refer to 21 CFR, § 2.25. Any colorant or dye added to treated seed must be cleared for use in accordance with 40 CFR, § 153.155(c).

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment.

PESTICIDE STORAGE

Keep out of reach of children and animals. Store in original containers only. Store in original container away from feed and food. Store in cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 105°F (40°C) or in temperatures that fall below 14°F (-10°C).

PESTICIDE DISPOSAL

Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING

Rigid, Non-refillable containers (equal to or less than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 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 1/4 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

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NET CONTENTS: 2 1/2 GALLONS

PROTHIOCONAZOLE	GROUP	3	FUNGICIDE
TEBUCONAZOLE	GROUP	3	FUNGICIDE
METALAXYL	GROUP	4	FUNGICIDE
PENFLUFEN	GROUP	7	FUNGICIDE

Raxil® Rise

ACTIVE INGREDIENTS:

Prothioconazole: 2-[2-(1- Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl] - 1,2- dihydro-3*H*-1,2,4-triazole-3-thione **1.45%**

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TOTAL: **100.00%**

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EPA Reg. No. 264-1227

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FIRST AID

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 eye. • Call a poison control center or doctor for treatment advice.
IF ON SKIN OR CLOTHING:	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED:	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF SWALLOWED:	• Call a poison control center or doctor for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.

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CAUTION

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DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal, or by cleaning of equipment. **PESTICIDE STORAGE:** Keep out of reach of children and animals. Store in original containers only. Store in original container away from feed and food. Store in cool, dry area. Do not store in direct sunlight. Do not allow prolonged storage in temperatures that exceed 105°F (40°C) or in temperatures that fall below 14°F (-10°C). **PESTICIDE DISPOSAL:** Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. **CONTAINER HANDLING: Rigid, Non-refillable containers (equal to or less than 5 gallons).** Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: 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 1/4 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

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