



Raxil[®] PRO SHIELD



Net Contents:

Insecticide and Fungicide

2.5 Gallons



Bayer SeedGrowth[™]

For: Control or suppression of the listed seed, seedling and soilborne diseases and insects of wheat, barley and triticale.

ACTIVE INGREDIENT(S):

Imidacloprid: 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine:	08.59%
Prothioconazole: 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]-1,2-dihydro-3H-1,2,4-triazole-3-thione:	01.47%
Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester	00.57%
Tebuconazole: (Alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol)	00.29%
OTHER INGREDIENTS:	89.08%

TOTAL: 100.00%

Contains 0.768 pounds Imidacloprid, 0.128 pounds Prothioconazole, 0.051 pounds Metalaxyl, and 0.025 pounds Tebuconazole per U.S. gallon.

EPA Reg. No. 264-1186

KEEP OUT OF REACH OF CHILDREN CAUTION

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)

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

Produced for:
Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
RAXIL is a registered trademark of Bayer.
©2016 Bayer CropScience

161101A 11/16

US84982148A

FIRST AID

If swallowed:	<ul style="list-style-type: none">• Immediately 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 to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none">• 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 in eyes:	<ul style="list-style-type: none">• 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 inhaled:	<ul style="list-style-type: none">• 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.
<p>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
Note to Physician: No specific antidote. Treat symptomatically.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

- Harmful if swallowed, absorbed through skin, or inhaled.
- Causes moderate eye irritation.
- Avoid contact with skin, eyes, or clothing, and avoid breathing vapor or spray mist.
- Remove and wash contaminated clothing before reuse.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Workers, loaders, applicators and other handlers involved in on-farm treatment must wear:

- Long pants
- Long-sleeved shirt
- Socks and shoes
- Chemical resistant gloves made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, pvc \geq 14 mils, or viton \geq 14 mils.

- In addition to the above PPE for on farm treatment, workers involved in bagging, sewing, or stacking bags of treated seed or when transferring seed to a storage bin, must wear: a filtering face piece NIOSH approved respirator (TC-84A) with any N, R, or P filter.

Workers, loaders, baggers, applicators and other handlers involved in commercial seed treatment facilities must wear:

- Long pants
- Long-sleeved shirt
- Socks and shoes
- Chemical resistant gloves made of: barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, pvc \geq 14 mils, or viton \geq 14 mils.
- A minimum of a filtering face piece NIOSH approved respirator (TC-84A) with any N, R, or P filter.

USER SAFETY REQUIREMENTS
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. • Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • 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.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to bees, birds and aquatic invertebrates, and toxic to mammals, fish and 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 neighboring areas. Do not contaminate water when disposing of equipment wash water or rinsate.

Cover or incorporate spilled treated seed.

Ground Water Advisory

Prothioconazole-dethio (a degradate of prothioconazole) is known to leach through soil into ground water under certain conditions as a result of label use.

Metalaxyl is known to leach through soil into ground water under certain conditions as a result of label use.

Tebuconazole is known to leach through soil into ground water under certain conditions as a result of label use.

These chemicals may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

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.

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.

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. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Bayer CropScience, no claims are made to guarantee germination of carry-over seed.

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.

Read the entire label before using this product.

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 State or Tribal 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, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, 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 12 hours**.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area without restrictions if there will be no contact with anything that has been treated.

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 over long-sleeved shirt and long pants
- chemical-resistant gloves
- chemical-resistant footwear plus socks
- protective eyewear

Notify workers of the application by warning them orally.

PRODUCT INFORMATION

Raxil[®] PRO Shield:

- is a seed treatment containing the fungicides prothionconazole, tebuconazole and metalaxyl, and the insecticide imidacloprid which aids in the control or suppression of the following seed, seedling and soilborne diseases of wheat, barley and triticale: stinking smut, flag smut, loose smut, covered smut (common bunt), early season Septoria disease complex, general seed rots, Pythium damping-off, early season Rhizoctonia root rot, early season common root rot, seedborne Fusarium scab, barley stripe, early season Fusarium foot rot.
- provides early season protection of seedlings against injury by wireworms, aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid) and Hessian fly.

USE RESTRICTIONS

- For use in commercial seed treatment facilities and on-farm application.
- Applications must be made using standard slurry or mist-type seed treatment equipment.
- Only use seed that is sound and well cured prior to treatment.
- In California – Registered only for use in commercial seed treating establishments. Not allowed for “on-farm” use.
- Important: 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 or colorant added to treated seed must be cleared for use under 40CFR, Part 180.1001. Federal regulations have established official tolerances for certain pesticide residues. In order that residues on food and forage crops will not exceed established tolerances, use only at specified rates.

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

Compatibility

It is essential that before using Raxil PRO Shield seed treatment in any tank mixture the compatibility of the mixture be established. Add Raxil PRO Shield 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.

DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GEL. USE TANK MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.

It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions and precautionary language of the products of the mixture (for example, first aid from one product, ppe from another).

ROTATIONAL CROPS

Areas planted with treated seed may be replanted immediately with artichoke, barley, Brassica (cole) leafy vegetables, borage, bulb vegetables, canola, cilantro, corn (field), corn (pop), corn (sweet), cotton, cranberry, crambe, cucurbits, eggplant, flax, ground cherry, leaf petiole vegetables, leafy vegetables, legume vegetables (succulent or dried, including soybean), millet, mustard seed, oats, okra, pepinos, pepper, potato, rapeseed, rye, safflower, sorghum, soybean, strawberry, sugarbeet, sunflower, tomatillo, tomato, triticale, root and tuber vegetables, watercress, wheat. These areas may also be replanted after 30 days with cereals, including buckwheat, rice. Do not plant any other crop in the treated area for at least one year after treated seeds are planted.

SPECIFIC CROP DIRECTIONS

STANDARD SLURRY OR MIST-TYPE SEED TREATMENT EQUIPMENT APPLICATION

Barley, Triticale, and Wheat			
Disease(s) Controlled or Suppressed		Product Rate (fl oz per 100 lbs Seed)	
Stinking smut	<i>Pythium</i> damping-off	5.0	
Flag smut	Early season		
Loose smut	<i>Rhizoctonia</i> root rot		
Covered smut (common bunt)	Early season common root rot		
Early season <i>Septoria</i> disease complex	Seedborne <i>Fusarium</i> scab Barley stripe		
General seed rots	Early season <i>Fusarium</i> foot rot		
Early Season Seedling Injury Protection			
Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), Hessian fly and wireworms.			
Crop Specific Directions and Restrictions:			
<ul style="list-style-type: none">• Applications must be made using standard slurry or mist-type seed treatment equipment.• In some instances, a chemical slurry dilution may enhance coverage. A 1 part Raxil PRO Shield with 1 part water dilution may be used.• Uniform application to seed is necessary to ensure seed safety and best disease control.			

SEED TAG LABELING

The Federal Seed Act requires that the container of seed treated with Raxil PRO Shield must be labeled with the following statements:

- This seed has been treated with:
 - **Raxil PRO Shield**, which contains **8.59% Imidacloprid, 1.47% Prothioconazole, 0.57% Metalaxyl, and 0.29% Tebuconazole.**
- Do not use treated seed for food, feed, or oil production.

In addition, the US Environmental Protection Agency requires the following statements on the container of seed treated with Raxil PRO Shield:

- Areas planted with treated seed may be replanted immediately with artichoke, barley, Brassica (cole) leafy vegetables, borage, bulb vegetables, canola, cilantro, corn (field), corn (pop), corn (sweet), cotton, cranberry, crambe, cucurbits, eggplant, flax, ground cherry, leaf petiole vegetables, leafy vegetables, legume vegetables (succulent or dried, including soybean), millet, mustard seed, oats, okra, pepinos, pepper, potato, rapeseed, rye, safflower, sorghum, soybean, strawberry, sugarbeet, sunflower, tomatillo, tomato, triticale, root and tuber vegetables, watercress, wheat. These areas may also be replanted after 30 days with cereals, including buckwheat, rice. Do not plant any other crop in the treated area for at least one year after treated seeds are planted.
- For all other crops not listed on an Imidacloprid label, or for crops for which no tolerance for the active ingredient has been established, a 12- month plant-back interval is required.
- Cover crops for soil building or erosion control may be planted any time, but do not graze or harvest for food or feed.
- Do not graze or feed livestock on barley, wheat and triticale green forage, or harvest for hay within 45 days of seeding.
- **Store treated seeds away from food and feedstuffs.**
- **Do not allow children, pets, or livestock to have access to treated seed.**
- **Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.**
- Treated seeds must be planted into the soil at a depth greater than 1 inch. Consult your area agronomist regarding planting depth recommendations for the particular variety to be planted.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- This pesticide is highly toxic to bees, birds and aquatic invertebrates, and toxic to mammals, fish and aquatic plants.
- Excess treated 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 practice.
- 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-dethio (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 0.0105 mg of imidacloprid, 0.0003 mg of tebuconazole, 0.0007 mg of metalaxyl, and 0.0017 mg of prothiconazole per seed. Based on an average of 13,000 seeds per lb.
- Do not use at a rate that will result in more than 0.4 lb of imidacloprid per acre per calendar year for all application types (seed, foliar, soil, etc.)

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

**For MEDICAL, TRANSPORTATION or OTHER Emergencies ONLY Call 24 Hours
A Day 1-800-334-7577**

STORAGE AND DISPOSAL

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

Pesticide storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat.

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

Nonrefillable container. Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows:

Liquid dilutables in containers small enough to shake (5 gallons or less)

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.

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

NET CONTENTS: 2 1/2 GALLONS

Raxil® PRO Shield Insecticide and Fungicide

For: Control or suppression of the listed seed, seedling and soilborne diseases and insects of wheat, barley and triticale.

ACTIVE INGREDIENT(S):

Imidacloprid: 1-[1-(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine:	08.59%
Prothioconazole: 2-[2-(1-Chlorocyclopropyl)-3-(2-chlorophenyl)-2-hydroxypropyl]- 1,2-dihydro-3H-1,2,4-triazole-3-thione:	01.47%
Metaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester	00.57%
Tebuconazole: (Alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol)	00.29%

OTHER INGREDIENTS:

Contains 0.768 pounds Imidacloprid, 0.128 pounds Prothioconazole, 0.051 pounds Metaxyl, and 0.025 pounds Tebuconazole per U.S. gallon.	TOTAL: 100.00%
--	-----------------------

EPA Reg. No. 264-1186

KEEP OUT OF REACH OF CHILDREN CAUTION

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)

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

FIRST AID

If swallowed:	<ul style="list-style-type: none"> • Immediately 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 to an unconscious person.
If on skin or clothing:	<ul style="list-style-type: none"> • 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 in eyes:	<ul style="list-style-type: none"> • 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 inhaled:	<ul style="list-style-type: none"> • 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.
<p>In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577.</p> <p>Have a product container or label with you when calling a poison control center or doctor or going for treatment.</p>	
<p>Note to Physician: No specific antidote. Treat symptomatically.</p>	

DIRECTIONS FOR USE

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

Read the entire label before using this product.

STORAGE AND DISPOSAL

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

Pesticide storage

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat.

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

Nonrefillable container. Do not reuse or refill this container. After emptying product from container, either return container to Bayer CropScience per instructions from Bayer CropScience Customer Service Center (1-800-527-4781), or rinse and either recycle or dispose of the container as follows:

Liquid dilutables in containers small enough to shake (5 gallons or less)

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.

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

- Harmful if swallowed, absorbed through skin, or inhaled.
- Causes moderate eye irritation.
- Avoid contact with skin, eyes, or clothing, and avoid breathing vapor or spray mist.
- Remove and wash contaminated clothing before reuse.
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
RAXIL is a registered trademark of Bayer.
©2016 Bayer CropScience
US84982148A 161101A 11/16

