

IMIDACLOPRID	GROUP	4A	INSECTICIDE
DIFENOCONAZOLE TEBUCONAZOLE	GROUP	3	FUNGICIDE
METALAXYL	GROUP	4	FUNGICIDE

Salient™ TMI

SEED TREATMENT

FOR USE ONLY IN COMMERCIAL SEED TREATMENT FACILITIES ON BARLEY, OATS*, TRITICALE, AND WHEAT FOR PROTECTION OF SEEDS AGAINST LISTED PESTS and SOILBORNE DISEASES

*Not approved for use in California

ACTIVE INGREDIENTS:

Imidacloprid:.....	5.57%
Difenoconazole:.....	3.46%
Metalaxyl:.....	1.78%
Tebuconazole:.....	0.38%
OTHER INGREDIENTS:.....	88.81%
TOTAL:.....	100.00%

Contains:

- 0.50 pound Imidacloprid per gallon (60.0 grams per liter)
- 0.31 pound Difenoconazole per gallon (37.2 grams per liter)
- 0.16 pound Metalaxyl per gallon (19.2 grams per liter)
- 0.035 pound Tebuconazole per gallon (4.2 grams per liter)

KEEP OUT OF REACH OF CHILDREN CAUTION

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS,
AND DIRECTIONS FOR USE

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA Reg. No. 55146-159

Manufactured for
Nufarm Americas Inc.
AGT Division
11901 S. Austin Ave.
Alsip, IL 60803



Nufarm
Grow a better tomorrow



Net Contents
2.5 Gal.
(9.46 L)
Nonrefillable Container

15304000

FIRST AID

IF SWALLOWED	<ul style="list-style-type: none">• 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 do so by the poison control center or doctor.• DO NOT give anything by mouth to an unconscious person.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 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	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• 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, then give artificial respiration, preferably by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Avoid breathing spray mist or vapor.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks,
- Chemical-resistant gloves made out of barrier laminate, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, or Viton \geq 14 mils.
- Protective eyewear

Note: Persons involved in bagging treated seed, sewing or moving bags of treated seed, or cleaning up bagging areas or seed treatment equipment are pesticide handlers and must wear the PPE required on this label for pesticide handlers.

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 into clean clothing.

PHYSICAL AND CHEMICAL HAZARDS

DO NOT place product near or allow product to come into contact with strong oxidizing substances (such as potassium permanganate).

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to mammals, birds, fish, and aquatic invertebrates. 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 from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. Cover or incorporate spilled treated seeds.

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.

Pollinator Protection Statement: Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.

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

Surface Water Advisory: This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. 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 from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

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 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.

Maximum usage when applying both metalaxyl- and mefenoxam-containing products to the same crop within the same season: 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.

USE RESTRICTIONS

- Only for use in commercial seed treatment facilities. Not for use on agricultural establishments in hopper box, planter box, slurry box or other seed treatment applications at or immediately before planting.
- The maximum application rate for metalaxyl and mefenoxam (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.
- Not for use on Oats in California.
- Do not use treated seed for feed, food, or oil purposes.
- Store treated seed away from feeds and foodstuffs.
- Do not allow children, pets, or livestock to have access to treated seed.
- Regardless of the method of application, do not apply more than 0.5 lbs active ingredient imidacloprid per acre per year.
- As per 40 CFR 153.155, all seed treated with Salient TMI must be colored with an EPA approved dye or colorant to visually distinguish seed that is treated with a pesticide. It is mandatory that such dye or colorant be added into the slurry mixture containing Salient TMI, prior to application. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Exposed treated seed may be highly toxic to birds. Cover or incorporate spilled treated seed. Excess or leftover seed may be double-sown around the headland or buried away from bodies of water in accordance with local requirements.
- Do not graze or feed livestock on green barley forage until 31 days after planting.
- Do not graze or feed livestock on all other areas until 55 days after planting.
- Do not plant any crop other than those on this label within 30 days to fields in which treated seeds were planted.

RESISTANCE MANAGEMENT RECOMMENDATIONS

Salient TMI contains imidacloprid, a Group 4a insecticide; difenoconazole and tebuconazole, Group 3 fungicides and; metalaxyl, a Group 4 fungicide. Imidacloprid belongs to the neonicotinoid class of chemistry. Difenoconazole and tebuconazole belong to the DMI class of chemistry. Metalaxyl belongs to the phenylamide class of chemistry.

Pest populations may contain individuals naturally resistant to active ingredients in Salient TMI and if used repeatedly in the same fields, then resistant members may eventually dominate the population. Because resistance development cannot be predicted, the use of this product should conform to sound resistance management strategies such as an alternation with insecticides and fungicides of a different mode of action and/or tank mixes established for the crop and use area.

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

- Rotate the use of Salient TMI or other Group 4a insecticides and other Group 3 and Group 4 fungicides.
- Use tank mixtures with fungicides from different groups 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/bactericide 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/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development

Nufarm encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label.

For additional information on Fungicide Resistance Management:

- Contact Nufarm Americas Inc representatives at 1-800-345-3330
- Contact your local extension specialist or certified crop advisor.
- Visit the Fungicide Resistance Action Committee (FRAC) at <http://www.frac.info>

PRODUCT INFORMATION

This product is a mixture of the fungicides Difenoconazole, Tebuconazole, Metalaxyl, and the insecticide Imidacloprid. When used on listed crops, this product aids in the control or suppression of the following seed, soilborne diseases and insects on seed and young seedlings of Barley, Oats, Triticale, and Wheat.

Apply as a seed treatment using standard slurry or mist-type commercial seed treatment equipment. Apply a uniform application to seed to ensure seed safety and best disease and insect protection. Seed must be sound and well cured prior to treatment. Product must be diluted with sufficient water to ensure complete seed coverage.

Tank Mixing: All tank mixes should be pre-tested to determine physical compatibility between formulations. When tank mixing, follow the most restrictive directions for use and precautionary statements for any tank mix partner. DO NOT tank mix with any product that bears a label prohibition against tank mixing or with products that are not registered for the listed uses.

Compatibility: Before mixing Salient TMI with other seed treatment products conduct a compatibility test before use:

1. Use a clear glass container, thoroughly mix all intended seed treatment products with appropriate amount of water;
2. Allow the mixture to sit for one hour;
3. Remix and observe for incompatibility

SEED TREATMENT

CROP	DISEASE CONTROL	RATE	
Barley Oats* ¹ Triticale Wheat	Control of seed rots such as <i>Penicillium</i> and <i>Aspergillus</i> and seed-borne Fusarium Scab and Septoria.	Fl. Oz. / 100 LB Seed	Grams AI / 100 KG Seed* ⁴
	Control of Dwarf bunt, Karnal bunt*, Stinking smut (Common bunt), Flag smut, Loose smut, Covered smut of barley. Control of early season Barley stripe, <i>Pythium</i> damping-off, <i>Septoria</i> disease complex, <i>Rhizoctonia</i> root rot, Common root rot (<i>Cochliobolus</i> spp.), <i>Fusarium</i> foot rot. Early season suppression of powdery mildew, wheat leaf rust, and Septoria leaf blotch.	5.0 – 7.5* ²	19.5 – 29.3
	INSECT CONTROL		
	Control of light to moderate pressure of wireworms* ³ . Controls aphids (including Bird cherry-oat, English grain, Greenbug and Russian wheat), and Hessian fly		

RESTRICTIONS: Regardless of application method, do not apply more than 0.5 lbs / A / calendar year imidacloprid active ingredient.

APPLICATION DIRECTIONS: Apply this product using standard slurry or mist-type commercial seed treatment equipment in a manner that insures uniform coverage of the seed. Depending upon type of equipment used, uniform coverage of the seed can be attained using this product alone or combined with a diluent such as water to a total slurry rate of 15 ounces / 100 lbs of seed.

Use the lower rate under normal conditions. Use the higher rate when planting conditions or historically high disease / pest pressure favors rapid disease / pest development.

Mix the slurry thoroughly with the seed to insure uniform coverage.

*¹ Not approved for use in California

*² Suppression only in California

*³ In California use high use rate only

*⁴ 1 fl oz of Salient TMI contains 1.77 grams of imidacloprid. The typical density of Salient TMI is 8.93 lbs / gallon (1070 grams / liter)."

SEED BAG LABELING REQUIREMENTS

Seed commercially treated with this product must be labeled in accordance with all applicable requirements of the Federal Seed Act. The user of this product is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

THE FEDERAL SEED ACT REQUIRES THAT BAGS CONTAINING TREATED SEEDS BE LABELED WITH THE FOLLOWING STATEMENTS:

- This seed has been treated with Salient TMI Seed Treatment (difenoconazole, metalaxyl, tebuconazole and imidacloprid).
- DO NOT use for feed, food, or oil purpose.

THE US ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON BAGS CONTAINING SEEDS TREATED WITH SALIENT TMI Seed Treatment (difenoconazole, metalaxyl, tebuconazole and imidacloprid):

- **Pollinator Precautions:** Imidacloprid is highly toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- **Groundwater Advisory:** Metalaxyl and Tebuconazole are 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.
- Store away from feeds and foodstuffs.
- Wear long-sleeved shirt, long pants and chemical resistant gloves when handling treated seed.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Exposed treated seed may be highly toxic to birds. Cover or incorporate spilled treated seeds. Excess or leftover seed may be double-sown around the headland or buried away from bodies of water in accordance with local requirements.
- Dispose of seed packaging in accordance with local requirements.
- **DO NOT** graze or feed livestock on green barley forage until 31 days after planting.
- **DO NOT** graze or feed livestock on green wheat, oats, or triticale for 55 days after planting.
- **DO NOT** contaminate bodies of water when disposing of planting equipment wash water.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- **DO NOT** plant any crop other than those on this label within 30 days to fields in which treated seeds were planted.
- The maximum application rate (including seed treatment, foliar application, and soil application) per acre per year for imidacloprid is 0.5 lbs.
- This seed has been treated with _X_ lbs imidacloprid, _X_ lbs metalaxyl, _X_ lbs tebuconazole, _X_ lbs difenoconazole per _X_ lbs of seed [or _X_ mg per seed].
- 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 pesticides remain in the ethanol by-products that are used in agronomic practice.
- Do not use empty seed bags for any other purpose.
- Do not store leftover treated seed where there is a chance of it becoming mixed with untreated seed.
- Store treated seed in cool, dry conditions.
- Not for use on Oats in California.
- **Surface Water Advisory:** This product may contaminate water through drift of spray in wind. This product has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to runoff that contains this product. 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 from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted within 48 hours.

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool place, **DO NOT** store in direct sunlight. Protect from freezing temperatures.

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: NOTE: This product is available in multiple containers. Refer to the Net Contents section of this products labeling for the applicable "Nonrefillable" or "Refillable" designation. Follow the container handling instructions below that apply to your container type / size.

Nonrefillable Containers 5 Gallons or Less

Nonrefillable container. DO NOT reuse or refill this container. Offer for recycling if available. Triple 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. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or, if allowed by State and local authorities, by burning. If burned stay out of smoke.

Nonrefillable containers larger than 5 gallons] Nonrefillable container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling if available. If recycling or reconditioning is not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 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. **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 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.

Refillable containers larger than 5 gallons

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 from this container into application equipment or a mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. For final disposal, offer for recycling if available. If recycling or reconditioning is not available, puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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