



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 16, 2024

Tasha Lott
Product Registration Manager, NA
1525 Northeast 36th Street
Ankeny, IA 50021

Subject: Notification per PRN 98-10 – Adding marketing graphic, revising booklet statement and hotline number, and removing refillable container language in Storage and Disposal
Product Name: Albaugh THX-7
EPA Registration Number: 45002-58
Application Date: 11/30/2022
Case Number: 481716

Dear Tasha Lott,

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "NOTIFICATION" and placed in our records. Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance. If you have any questions, please contact Cassandra Luna at Luna.Cassandra@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Venus Eagle".

Venus Eagle, Product Manager 01
Invertebrate & Vertebrate Branch 3
Registration Division (7505P)
Office of Pesticide Programs

NOTIFICATION

45002-58

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

02/16/2024

Thiabendazole	GROUP	1	FUNGICIDE
Tebuconazole	GROUP	3	FUNGICIDE
Mefenoxam	GROUP	4	FUNGICIDE
Thiamethoxam	GROUP	4A	INSECTICIDE

Albaugh THX-7 [ABN: TebuStar Elite ST] Seed Treatment

A seed treatment for the protection of Barley, Wheat, Triticale, and Oats against insect injury and soilborne diseases.

ACTIVE INGREDIENTS:

Thiamethoxam:.....	11.15%
Thiabendazole:.....	1.83%
Mefenoxam:.....	1.44%
Tebuconazole:.....	0.57%

OTHER INGREDIENTS:	85.01%
TOTAL:	100.00%

Contains 1.00 pound Thiamethoxam per gallon (120.0 grams per liter), 0.16 pound Thiabendazole per gallon (19.2 grams per liter), 0.13 pound Mefenoxam per gallon (15.6 grams per liter), 0.05 pound Tebuconazole per gallon (6.0 grams per liter)

KEEP OUT OF REACH OF CHILDREN CAUTION

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 by a 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 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing. • 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 15-20 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 mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
<p>HOT LINE NUMBER: Have the product container or label with you when calling poison control center or doctor, or going for treatment. For non-emergency exposure information on this product, call 1-888-347-6732 (7 days/week, 24-hr). For medical emergencies, dial 911. For 24-Hour Emergency Assistance spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300</p>	

[See \[inside\] booklet for \[additional\] \[complete\] \[First Aid,\] \[Precautionary Statements,\] \[Directions For Use,\] \[Storage and Disposal,\] \[and\] \[Conditions of Sale and Warranty\]. See additional precautionary statements and directions for use inside booklet.](#)

[For 24-hour chemical spill, leak, fire, exposure or accident response information, call CHEMTREC toll free at 1-800-424-9300.](#)

EPA Reg. No. 45002-58

EPA Est. No. _____

NET CONTENTS: _____ Gallons

Lot No. _____

Manufactured By:

045002-00058.2022072620221130.MASTERDRAFT

ALBAUGH, LLC
1525 NE 36th Street
ANKENY, IA 50021

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION. Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves (except for applicators using ground boom equipment, pilots and flaggers) such as Barrier Laminate, Butyl Rubber ≥14 mils, Nitrile Rubber ≥14 mils, Neoprene Rubber ≥14 mils, Natural Rubber ≥14 mils, Polyethylene, Polyvinyl Chloride (PVC) ≥14 mils or Viton ≥14 mils.

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.

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:

1. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
2. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. 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 product is toxic to wildlife and fish and highly toxic to aquatic invertebrates. For terrestrial use, DO NOT apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. DO NOT contaminate water when disposing of equipment wash water or rinsate. Cover or incorporate spilled treated seeds. Exposed treated seeds may be hazardous to birds.

Pollinator Advisory: Thiamethoxam is highly toxic to bees and effects may be possible as a result of exposure to translocated residues in blooming crops. 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: Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. Thiamethoxam may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow. Mefenoxam and Tebuconazole are known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of Mefenoxam and Tebuconazole 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.

PHYSICAL AND CHEMICAL HAZARDS

Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

DIRECTIONS FOR USE

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

This product is for use in commercial seed treatment facilities or as an end-use seed treatment on agricultural establishments at, or immediately before planting subject to the Restrictions listed below and as specified for each crop in the Crop Specific Use Instructions on this label.

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 intervals. 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 48 hours**. Exception: If the seed is treated with the product and the treated seed is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area 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
- Chemical-resistant gloves such as Barrier Laminate, Butyl Rubber ≥ 14 mils, Nitrile Rubber ≥ 14 mils, Neoprene Rubber ≥ 14 mils, Natural Rubber ≥ 14 mils, Polyethylene, Polyvinyl Chloride (PVC) ≥ 14 mils or Viton ≥ 14 mils
- Shoes plus socks
- Protective eyewear

PRODUCT INFORMATION

This product is a systemic and contact broad-spectrum fungicide plus systemic insecticide, ready to use seed treatment containing mefenoxam / tebuconazole / thiabendazole fungicides and thiamethoxam insecticide. Tebuconazole, thiabendazole and mefenoxam protect seed against a wide variety of soil borne and seed borne diseases as listed in the seed treatment table below. Thiamethoxam provides early season protection against listed insect pests such as aphids (including bird cherry-oat, English grain, greenbug, and Russian wheat aphid). This product provides early season suppression of Hessian fly damage and wireworm activity and provides protection from damage caused by white grubs (including northern masked chafer, European chafer, and Japanese beetle). When a rate range is given, use higher rates of this product when conditions favor higher disease pressure. Seed should be sound and well cured before treatment.

This product contains an EPA-approved colorant that imparts an unnatural color to the seed as required by the Federal Seed Act

USE RESTRICTIONS

- **DO NOT** use as a planter (hopper) box treatment.
- **DO NOT** use treated seed for feed, food, or oil purposes.
- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- The maximum application rate for thiamethoxam (including seed treatments, foliar applications, soil applications) is 0.266 lbs. AI per acre per year. **DO NOT** apply more than 0.266 lbs. thiamethoxam ai per acre per calendar year.
- **DO NOT** make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with **Albaugh THX-7** (thiamethoxam).
- The maximum application rate for mefenoxam (including seed treatments, foliar applications, soil applications) is

- 12.3 lbs. AI per acre per year. **DO NOT** apply more than 12.3 lbs. mefenoxam ai per acre per calendar year.
- The maximum application rate for thiabendazole (including seed treatments, foliar applications, soil applications) is 0.15 lbs AI per acre per year. **DO NOT** apply more than 0.15 lbs thiabendazole ai per acre per calendar year.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- Exposed treated seed may be hazardous to wildlife. 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.
- Dispose of seed packaging in accordance with local requirements.
- Barley, wheat, triticale, and oat green forage may be grazed or harvested for hay 31 days after seeding.
- Rotational Crop Intervals:**
 - Alfalfa, Brassica (cole) leafy vegetables, buckwheat, corn, pearl millet, proso millet, popcorn, rice (dry-seeded), sorghum, teosinte, wild rice, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables, mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corn vegetables may be planted 30 days from the date the **Albaugh IPZ-7** treated seed was planted.
 - For any other crop, the minimum plant back interval is 120 days from the date the **Albaugh IPZ-7** treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.
- DO NOT** contaminate water bodies when disposing of planting equipment wash water.
- 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** apply more than 215 gallons of **Albaugh THX-7** per 8-hour day for seed treatments utilizing a closed system.
- DO NOT** apply more than 38 gallons of **Albaugh THX-7** per 8-hour day for seed treatments using an open system.

RESISTANCE MANAGEMENT

THIAMETHOXAM	GROUP	4A	INSECTICIDE
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For insecticide resistance management, this product contains a Group 4A insecticide. Any insect population may contain individuals naturally resistant to this product and other Group 4A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed. Thiamethoxam is a systemic insecticide belonging to the neonicotinoid class of chemistry which includes nicotinic acetylcholine receptor (nAChR) agonists.

To delay insecticide resistance, take the following steps:

- Rotate the use of this product or other Group 4A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
 - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
 - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
 - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
 - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
 - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

For additional information on Insecticide Resistance Management:

- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- Visit the Insecticide Resistance Action Committee (IRAC) on the web at: <http://www.irac-online.org>

THIABENDAZOLE	GROUP	1	FUNGICIDE
TEBUCONAZOLE	GROUP	3	FUNGICIDE
MEFENOXAM	GROUP	4	FUNGICIDE

For fungicide resistance management, this product contains thiabendazole, a Group 1 fungicide; tebuconazole, a Group 3 fungicide; and mefenoxam, a Group 4 fungicide. Thiabendazole belongs to the methyl-benzimidazole carbamate class of chemistry and disrupts β -tubuline assembly in mitosis. Tebuconazole belongs to the triazole class of chemistry and is a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis of the fungal cell. Mefenoxam belongs to the phenylamide class of chemistry which interferes with fungal RNA synthesis.

Fungal populations may contain individuals naturally resistant to Group 1, Group 3, or 4 fungicides 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 alternation with fungicides with a different mode of action and/or tank mixes established for the crop and use area.

Use should be based on an IPM program that includes field sanitation, scouting, historical information related to pesticide use, and crop rotation. The IPM program should also consider cultural, biological, and other chemical control practices.

Albaugh 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 your local extension specialist or certified crop advisor
- Visit the Fungicide Resistance Action Committee (FRAC) on the web at: <http://www.frac.info>

SEED TREATMENT

This product is a combination of thiamethoxam insecticide and a mixture of the fungicides thiabendazole, mefenoxam and tebuconazole. When used on listed crops, the fungicide mixture in this product provides consistent control when disease pressure is high. This product aids in the control or suppression of the following insects and soilborne diseases of listed crops.

CROP	INSECT / DISEASE CONTROL [(* Not Registered For Use In California)]	USE RATE (fl. oz./100 lb seed)	USE RATE ¹ (mg AI/seed)
Barley	<p>Insect Control: Early season protection against injury by Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), White grubs (including European and northern masked chafer, and Japanese beetle), Hessian fly (suppression only), and Wireworms.</p> <p>Disease Control: Early season disease control of <i>Pythium</i> damping-off and Covered smut^[*], Loose smut^[*], Barley stripe (suppression), Early season <i>Rhizoctonia</i> root rot, Early season common root rot, Early season <i>Fusarium</i> foot rot^[*], Early season suppression of powdery mildew, and Early season suppression of barley leaf rust.</p>	5.0	0.014 mg thiamethoxam 0.002 mg thiabendazole 0.0018 mg mefenoxam 0.0007 mg tebuconazole
Wheat and Triticale	<p>Insect Control: Early season protection against injury by Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), White grubs (including European and northern masked chafer, and Japanese beetle), Hessian fly (suppression only), and Wireworms.</p> <p>Disease Control: Early season disease control of <i>Pythium</i> damping-off, Stinking smut^[*], Flag smut^[*], Loose smut^[*], Early season <i>Septoria</i> disease complex, Early season <i>Rhizoctonia</i> root rot, Early season common root rot, Early season <i>Fusarium</i> foot rot^[*], Early season suppression of powdery mildew and early season suppression of wheat leaf rust.</p>	(18.14 g thiamethoxam 2.95 g thiabendazole 2.27 g mefenoxam 0.91 g tebuconazole)	<p>Wheat:</p> <p>0.012 mg thiamethoxam 0.002 mg thiabendazole 0.0015 mg mefenoxam 0.0006 mg tebuconazole</p> <p>Triticale:</p> <p>0.014 mg thiamethoxam 0.002 mg thiabendazole 0.0017 mg mefenoxam 0.0007 mg tebuconazole</p>

Oats	<p>Insect Control: Early season protection against injury by Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), White grubs (including European and northern masked chafer, and Japanese beetle), Hessian fly (suppression only), and Wireworms.</p> <p>Disease Control: Early season disease control of <i>Pythium</i> damping-off, Loose smut^[*], Early season <i>Rhizoctonia</i> root rot, Early season common root rot, Early season <i>Fusarium</i> foot rot^[*], Early season suppression of powdery mildew and early season suppression of wheat Crown rust.</p>	<p>0.011 mg thiamethoxam 0.0018 mg thiabendazole 0.0014 mg mefenoxam 0.0006 mg tebuconazole</p>
<p>APPLICATION DIRECTIONS: This product is formulated both for commercial and for on-farm application. Apply this product only with 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 and insect protection and optimum performance. For best activity of this product, seed must be sound and well-cured before treatment. Ensure thorough coverage.</p> <p>¹ Based on an average seed size of 12,500 seeds/lb barley, 16,400 seeds/lb oats, 15,000 seeds/lb wheat and 12,750 seeds/lb triticale.</p> <p>RESTRICTIONS:</p> <ul style="list-style-type: none"> For barley: DO NOT use at a rate that will result in more than 0.052 lb. thiamethoxam per acre (23.6 grams ai/A) per season. For wheat, oats, and triticale: DO NOT use at a rate that will result in more than 0.04 lb. thiamethoxam per acre (18.4 grams ai/A) per season. 		

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 Albaugh THX-7 (thiamethoxam, thiabendazole, mefenoxam, and tebuconazole).
- DO NOT** use for feed, food, or oil purpose.

THE U.S. ENVIRONMENTAL PROTECTION AGENCY REQUIRES THE FOLLOWING STATEMENTS ON BAGS CONTAINING SEEDS TREATED WITH Albaugh THX-7 (thiamethoxam, thiabendazole, mefenoxam, and tebuconazole) (EPA Reg. No. 45002-LI):

- Pollinator Precautions:** Thiamethoxam is highly toxic to bees and effects may be possible as a result of exposure to translocated residues in blooming crops. 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:** Thiamethoxam has properties and characteristics associated with chemicals detected in ground water. Thiamethoxam may leach into the ground water if used in areas where soils are permeable, particularly where the water table is shallow. Mefenoxam and Tebuconazole are known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of Mefenoxam and Tebuconazole 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
- Store away from food and feedstuffs.
- 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 hazardous to wildlife. 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.
- Barley, wheat, triticale and oat green forage may be grazed or harvested for hay 31 days after seeding.
- DO NOT** contaminate water bodies when disposing of planting equipment wash water.
- DO NOT** allow children, pets, or livestock to have access to treated seed.
- Rotational Crop Intervals:**
 - Alfalfa, Brassica (cole) leafy vegetables, buckwheat, corn, pearl millet, proso millet, popcorn, rice (dry-seeded),

sorghum, teosinte, wild rice, cotton, cucurbit vegetables, dry bulb onions, fruiting vegetables, leafy vegetables, legume vegetables, mint (peppermint and spearmint), oil seed crops (black mustard seed, borage seed, crambe seed, field mustard seed, flax seed, Indian mustard seed, Indian rapeseed seed, peanuts, rapeseed seed, and safflower seed), root vegetables, strawberry, sunflowers, tobacco, and tuberous and corm vegetables may be planted 30 days from the date the **Albaugh IPZ-7** treated seed was planted.

- For any other crop, the minimum plant back interval is 120 days from the date the **Albaugh IPZ-7** treated seed was planted. A cover crop other than the crops listed above that is planted for erosion control or soil improvement may be planted sooner than the 120 day interval; however, the crop may not be grazed or harvested for food or feed.
- The maximum application rate for thiamethoxam (including seed treatments, foliar applications, soil applications) is 0.266 lbs. AI per acre per year. **DO NOT** apply more than 0.266 lbs. thiamethoxam ai per acre per calendar year.
- For barley: **DO NOT** use at a rate that will result in more than 0.052 lb. thiamethoxam per acre (23.6 grams ai/A) per season.
- For wheat, oats, and triticale: **DO NOT** use at a rate that will result in more than 0.04 lb. thiamethoxam per acre (18.4 grams ai/A) per season.
- The maximum application rate for mefenoxam (including seed treatments, foliar applications, soil applications) is 12.3 lbs. AI per acre per year. **DO NOT** apply more than 12.3 lbs. mefenoxam ai per acre per calendar year.
- The maximum application rate for thiabendazole (including seed treatments, foliar applications, soil applications) is 0.15 lbs AI per acre per year. **DO NOT** apply more than 0.15 lbs thiabendazole ai per acre per calendar year.
- This seed has been treated with X lbs. thiamethoxam, X lbs. thiabendazole, X lbs. mefenoxam, and X lbs. tebuconazole per X lbs. of seed [X mg thiamethoxam, X mg thiabendazole, X mg mefenoxam, and X mg tebuconazole 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.

STORAGE AND DISPOSAL

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

STORAGE: Store in original containers only. Keep container closed when not in use. Do not store near food or feed. In case of spill on floor or paved surfaces, mop and remove to chemical waste storage area until proper disposal can be made if product cannot be used according to label.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. 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.

CONTAINER HANDLING:

[less than or equal to 5 gallons]

Non-refillable HDPE container. Do not reuse or refill this container. 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 if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

[greater than 5 gallons]

Non-refillable HDPE container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

~~[refillable containers]~~

~~Refillable HDPE 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 person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.~~

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

CONDITIONS OF SALE, WARRANTY DISCLAIMER AND LIMITATION OF LIABILITY

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[OPTIONAL MARKETING GRAPHIC]



AD072622113022

LABEL HISTORY
(Not part of final printed label)

File Name	Version Mark	Comment
045002-000##.20210928.DRAFT (THX-7)	092821	Section 3 Draft Label
045002-000LI.20220713.DRAFT	071322	(e) Label Revisions
045002-000LI.20220721.DRAFT	072122	(e) Label Revisions
045002-000LI.20220726.DRAFT	072622	(e) Label Revisions
045002-00058.20220726.MASTER	AD072622	EPA SAL (Registration Granted)
<u>045002-00058.20221130.DRAFT</u>	<u>113022</u>	<u>Label Notification (Marketing)</u>