



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 11, 2024

Tasha Lott  
Product Registration Manager, NA  
Albaugh, LLC  
1525 NE 36th Street  
Ankeny, IA 50021  
919-740-9895

Subject: Label Amendment – To add seed treatment use on-farm with use of commercial seed treatment equipment, updated PPE language, added Ag Box, and ABN TebuStar Select ST.  
Product Name: Albaugh THX-3  
EPA Registration Number: 45002-55  
Application Date: 5/16/2024  
Case Number: 612807

Dear Tasha Lott,

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 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.

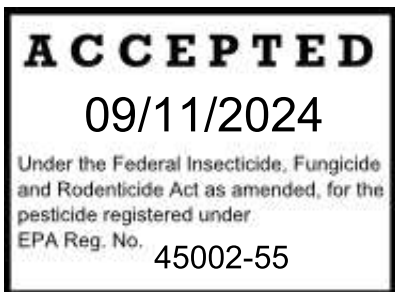
Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Cassandra Luna at [Luna.Cassandra@epa.gov](mailto:Luna.Cassandra@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Venus Eagle', with a stylized flourish at the end.

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



|              |       |    |             |
|--------------|-------|----|-------------|
| Tebuconazole | GROUP | 3  | FUNGICIDE   |
| Mefenoxam    | GROUP | 4  | FUNGICIDE   |
| Thiamethoxam | GROUP | 4A | INSECTICIDE |

## Albaugh THX-3

Seed Treatment  
[ABN: TebuStar Select ST]

A seed treatment for protection against listed insect pests and soilborne diseases for Barley, Wheat, Triticale, and Oats.

### ACTIVE INGREDIENTS:

Thiamethoxam:..... 11.30%  
Mefenoxam:..... 1.45%  
Tebuconazole:..... 0.58%

**OTHER INGREDIENTS:** ..... 86.67%  
**TOTAL:**..... 100.00%

Contains 1.00 pound Thiamethoxam per gallon (120.0 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   |  |
|---|--|
| <b>IF SWALLOWED</b>   | <ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| <b>IF IN EYES</b>   | <ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continuing rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>IF ON SKIN OR CLOTHING</b>   | <ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| <b>IF INHALED</b>   | <ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>  |
| 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. |  |

[See [inside] booklet for [additional] [complete] [First Aid,] [Precautionary Statements,] [Directions For Use,] [Storage and Disposal,] [and] [Conditions of Sale and Warranty].]

**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- 55

EPA Est. No. \_\_\_\_\_

**NET CONTENTS:** \_\_\_\_ Gallons

**Lot No.** \_\_\_\_\_

**Manufactured By:**  
ALBAUGH, LLC  
1525 NE 36<sup>th</sup> 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. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Applicators and other handlers must wear:**

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

Multiple Task Workers (Multiple task workers perform multiple tasks in one day such as mixing, bagging/filling seed containers, product application, bag sewing, and clean up) must wear:

- The PPE required for applicators and handlers listed above
- Chemical resistant coveralls (over long-sleeved shirt and long pants)

## 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 highly toxic to birds, fish and 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. Treated seeds exposed on soil surface may be hazardous to wildlife and birds. Cover or collect seeds spilled during loading and planting.

**Pollinator Protection Statement:** Thiamethoxam is highly toxic to bees exposed to direct treatment, and effects may be possible as a result of exposure to translocated residues in blooming crops or weeds. 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:** 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 Statement:** This product may impact surface water quality due to runoff of rain water. 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.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during clean-up procedures and disposal of wastes.

## PHYSICAL AND CHEMICAL HAZARDS

**DO NOT** mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur. **DO NOT** use, pour, spill or store near heat or open flame.

## DIRECTIONS FOR USE

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

Apply THX-3 with standard slurry or mist-type commercial seed treatment equipment subject to the Restrictions listed below and as specified for each crop in the Crop Specific Use Instructions on this label. Mix the slurry thoroughly with the seeds to provide uniform coverage.

### 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 made of barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber > 14 mils, polyvinyl chloride (PVC) > 14 mils, Viton® > 14 mils), shoes plus socks.

## PRODUCT INFORMATION

This product is a broad-spectrum systemic fungicide plus systemic insecticide, seed treatment containing mefenoxam / tebuconazole fungicides and thiamethoxam insecticide. Tebuconazole 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). Seed must 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

- For use in commercial seed treatment facilities or for on-farm use in commercial seed treatment equipment only.
- **DO NOT** use for at-plant applications in hopper box, planter box, or slurry box seed treatment applications.
- **DO NOT** use treated seed for feed, food, or oil purposes.
- Store treated seed away from feed and foodstuffs.
- **DO NOT** allow children, pets, or livestock to have access to treated seed.
- **DO NOT** make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with Albaugh THX-3.
- **DO NOT** apply more than 215 gallons of **Albaugh THX-3** per 8-hour day for seed treatments utilizing a closed system.
- **DO NOT** apply more than 38 gallons of **Albaugh THX-3** per 8-hour day for seed treatments using an open system.
- The maximum application rate for thiamethoxam (including seed treatments, foliar applications, soil applications) is 0.266 lbs. AI per acre per calendar year. **DO NOT** apply more than 0.266 lbs. thiamethoxam AI per acre per calendar year.
- The maximum application rate for mefenoxam and metalaxyl containing products (including seed treatments, foliar applications, soil applications) is 12.3 lbs. AI per acre per calendar year. **DO NOT** apply more than 12.3 lbs.

mefenoxam and metalaxyl ai per acre per calendar year.

- **DO NOT** use at a rate that will result in more than 0.052 lb. (23.6 grams) thiamethoxam per acre as a seed treatment application for barley.
- **DO NOT** use at a rate that will result in more than 0.04 lb. (18.4 grams) thiamethoxam per acre as a seed treatment for oats and triticale.
- **DO NOT** use at a rate that will result in more than 0.08 lb. (36.3 grams) thiamethoxam per acre as a seed treatment for wheat.
- **DO NOT** graze or feed livestock on treated areas for 45 days after planting.
- 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 collect spilled treated seed during loading and planting.
- 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.
- Treated seed must not be used for or mixed with food or animal feed.
- Excess treated seed may be used for ethanol production on 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.
- **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 immediately from the date the Albaugh THX-3 treated seed was planted.
  - For any other crop, the minimum plant back interval is 120 days from the date the Albaugh THX-3 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.

## RESISTANCE MANAGEMENT

|              |       |    |             |
|--------------|-------|----|-------------|
| THIAMETHOXAM | GROUP | 4A | INSECTICIDE |
|--------------|-------|----|-------------|

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 must 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 must 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>

|              |       |   |           |
|--------------|-------|---|-----------|
| TEBUCONAZOLE | GROUP | 3 | FUNGICIDE |
| MEFENOXAM    | GROUP | 4 | FUNGICIDE |

For fungicide resistance management, this product tebuconazole, a Group 3 fungicide; and mefenoxam, a Group 4 fungicide. 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 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 must 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 must be based on an IPM program that includes field sanitation, scouting, historical information related to pesticide use, and crop rotation. The IPM program must 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 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 diseases of listed crop seed.

| CROP                | INSECT / DISEASE CONTROL<br>(* Not Registered For Use In California)   | USE RATE   |              |                   |                                   |
|---------------------|--|--|--------------|-------------------|-----------------------------------|
|                     |  | Mg AI /Seed based on (seeds / lb): Barley (14,000), Wheat (15,000), Triticale (11,500 – 13,000), Oat (12,000 – 17,000) |              |                   |                                   |
|                     |  | (fl. oz. / 100 lb seed)  |              | Grams AI / 100 Kg | Mg AI / Seed                      |
| Barley              | <b>Insect Control:</b> 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.<br><br><b>Disease Control:</b> 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. | 5  | Thiamethoxam | 39.074            | 0.0127                            |
|                     |  |  | Mefenoxam    | 5.080             | 0.0016                            |
|                     |  |  | Tebuconazole | 1.954             | 0.0006                            |
| Wheat and Triticale | <b>Insect Control:</b> Early season protection against injury by Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid), White grubs (including European and   | 5  | Thiamethoxam | 39.074            | (W) 0.0118<br>(T) 0.0154 – 0.0136 |

|      |  |   |              |        |                                   |
|------|--|---|--------------|--------|-----------------------------------|
|      | northern masked chafer, and Japanese beetle), Hessian fly (suppression only), and Wireworms.<br><br><b>Disease Control:</b> 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.   |   | Mefenoxam    | 5.080  | (W) 0.0015<br>(T) 0.0020 – 0.0018 |
|      |  |   | Tebuconazole | 1.954  | (W) 0.0006<br>(T) 0.0008 – 0.0007 |
| Oats | <b>Insect Control:</b> 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.<br><br><b>Disease Control:</b> 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. | 5 | Thiamethoxam | 39.074 | 0.0148 – 0.0104                   |
|      |  |   | Mefenoxam    | 5.080  | 0.0019 – 0.0014                   |
|      |  |   | Tebuconazole | 1.954  | 0.0007 – 0.0005                   |

**APPLICATION DIRECTIONS:** Apply this product with standard slurry or mist-type commercial equipment. Accurately calibrate equipment to uniformly apply this product to the seed coat. Apply this product only with mechanical, slurry, or mist-type seed treating equipment. 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.

**CROP SPECIFIC RESTRICTIONS:**

- **DO NOT** apply a neonicotinoid insecticide within 45 days of planting seed treated with Albaugh THX-3.
- Maximum one application per calendar year.
- This product must not be tank mixed with any pesticide unless physical compatibility and phytotoxicity tests have been completed and proved to be satisfactory.
- **DO NOT** use at a rate that will result in more than 0.052 lb. (23.6 grams) thiamethoxam per acre as a seed treatment application for barley.
- **DO NOT** use at a rate that will result in more than 0.04 lb. (18.4 grams) thiamethoxam per acre as a seed treatment for oats and triticale.
- **DO NOT** use at a rate that will result in more than 0.08 lb. (36.3 grams) thiamethoxam per acre as a seed treatment for wheat.
- Regardless of type of application, **DO NOT** apply more than 0.266 lb. (120.7 grams) thiamethoxam per acre per calendar year.
- Regardless of type of application, **DO NOT** apply more than 12.3 lbs. mefenoxam and metalaxyl ai per acre per calendar year.

**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-3 (EPA Reg. No. 45002-55) (thiamethoxam, mefenoxam, 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-3 (EPA Reg. No. 45002-LL) (thiamethoxam, mefenoxam, tebuconazole):

- **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 feed and foodstuffs.
- Wear long-sleeved shirt, long pants, chemical-resistant gloves, and protective eyewear when handling treated seed.
- Treated seed must be planted into the soil at a depth greater than 1 inch.
- **DO NOT** use at a rate that will result in more than 0.052 lb. (23.6 grams) thiamethoxam per acre as a seed treatment application for barley.
- **DO NOT** use at a rate that will result in more than 0.04 lb. (18.4 grams) thiamethoxam per acre as a seed treatment application for oats and triticale.
- **DO NOT** use at a rate that will result in more than 0.08 lb. (36.3 grams) thiamethoxam per acre as a seed treatment application for wheat.
- **DO NOT** graze or feed livestock on treated areas for 45 days after planting.
- **DO NOT** make any soil or foliar application of products containing thiamethoxam to crops grown from seed treated with Albaugh THX-3.
- Exposed treated seed may be hazardous to wildlife. Cover or collect spilled treated seeds during loading and planting.
- 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** contaminate water bodies when disposing of planting equipment wash water or rinsate.
- **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, canola, 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 immediately from the date the Albaugh THX-3 treated seed was planted.
  - For any other crop, the minimum plant back interval is 120 days from the date the Albaugh THX-3 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 calendar year. **DO NOT** apply more than 0.266 lbs. thiamethoxam ai per acre per calendar year.
- The maximum application rate for mefenoxam and metalaxyl-containing products (including seed treatments, foliar applications, soil applications) is 12.3 lbs. AI per acre per calendar year. **DO NOT** apply more than 12.3 lbs. mefenoxam and metalaxyl ai per acre per calendar year.
- This seed has been treated with   X   lbs. thiamethoxam,   X   lbs. mefenoxam, and   X   lbs. tebuconazole per   X   lbs. of seed [  X   mg thiamethoxam,   X   mg mefenoxam, and   X   mg tebuconazole per seed].

## STORAGE AND DISPOSAL

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

**PESTICIDE 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.

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

### [OPTIONAL MARKETING GRAPHIC]



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## LABEL HISTORY

(Not part of final printed label)

| File Name                           | Version Mark | Comment  |
|-------------------------------------|--------------|--|
| 045002-000##.20210823.DRAFT (THX-3) | 082321       | Section 3 Draft Label                                    |
| 045002-000LL.20220804.DRAFT (THX-3) | 080422       | Revisions requested by US EPA                            |
| 045002-000LL.20220914.DRAFT (THX-3) | 091422       | Revisions requested by US EPA                            |
| 045002-000LL.20221012.DRAFT (THX-3) | 101422       | Revisions to Use Directions                              |
| 045002-000LL.20221012.DRAFT (THX-3) | 102522       | Revisions requested by US EPA                            |
| 045002-000LL.20221102.DRAFT (THX-3) | 110222       | Revisions requested by US EPA                            |
| 045002-00055.20221107.MASTER        | AD110722     | EPA SAL  |
| 045002-00055.20221110.DRAFT         | 111022       | Remove Use Restriction to Commercial Facilities          |
| 045002-00055.20240516.DRAFT         | 051624       | Remove Use Restriction to Commercial Facilities (Re-Sub) |
| 045002-00055.20240807.DRAFT         | 080724       | (e) Label Revisions                                      |