



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

94485-8

Date of Issuance:

1/17/24

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Metalaxyl ST Fungicide

Name and Address of Registrant (include ZIP Code):

Plant Health Intermediate d/b/a DPH Biologics
c/o Ag-Chem Consulting
12644 Chapel Rd
Clifton, VA 20124

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Continues page 2

Signature of Approving Official:

Stephanie Suarez, Ph.D., Acting Product Manager 21
Fungicide Branch
Registration Division (7505T)
Office of Pesticide Programs

Date:

1/17/24

EPA Form 8570-6

2. Make the following label changes before you release the product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 94485-8."
 - Add an appropriate EPA Establishment Number and Net Contents information.
3. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF:

- Basic CSF dated 03/15/2023

If you have any questions, please contact Senedu Alemu at alemu.senedu@epa.gov.

Enclosure

Note: Bold italicized text (excludes binomial nomenclature for genus and species identification) is information for the reader and not part of the label.

[Bracketed information is optional text.] Text separated by/denotes and/or options.

METALAXYL ST FUNGICIDE

[ABN: METALAXYL ST]

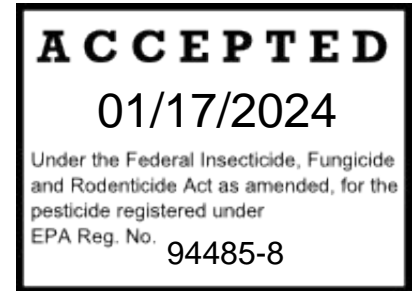
METALAXYL	Group	4	Fungicide
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Active Ingredient

Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl) alanine methyl ester. 98.53%

Other Ingredients..... 1.47%

Total..... 100.000%



KEEP OUT OF REACH OF CHILDREN WARNING

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
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 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 a poison control center or doctor. • DO NOT give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 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 mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.

HOTLINE NUMBERS

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information. For information on this product, call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12:00 PM Pacific time.

(See [back panel][side panel][interior/inside panel/page] for additional precautionary statements)

[Plant Health Intermediate Inc.] D/B/A DPH Biologicals 1550 East Old 210 Highway Liberty, MO 64068 [phone number/www.dphbio.com]	Net Contents: 0.30 lb. (136.4 g), 5 lb. (2.26 kg), 20 lb. (9 kg), 55 lb. (25 kg)
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EPA Registration No. 94485-XX
[Lot Code/Batch No. _____]

EPA Establishment No. (as applicable)
[Barcode *as applicable*]

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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed. Harmful if absorbed through skin. **DO NOT** get in eyes or on clothing. Avoid contact with skin. 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:

- Protective eyewear,
- long-sleeved shirt and long pants,
- chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils,
- and shoes plus socks.

User Safety Requirements

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them.

User Safety Recommendations

User should:

- Remove clothing/PPE immediately if pesticide gets inside.
- 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.

Environmental Hazards: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high-water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

Groundwater Advisory Statement: This chemical is known to leach through soil into ground water 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 ground water contamination.

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DIRECTIONS OF 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 protect handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

When applying both metalaxyl-containing and mefenoxam-contains products to the same crop within the same year **DO NOT** apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop.

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 Interval (REI). The requirements in this box only apply to the 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 twenty-four (24) hours.

EXCEPTION: If the product is soil injected or soil incorporated, the Worker Protections 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, including plants, soil, or water) is:

- Protective eyewear,
- long-sleeved shirt and long pants,
- chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils,
- and shoes plus socks.

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PRODUCT INFORMATION

Product Description:

Metalaxyl ST Fungicide is a systemic fungicide that contains the chemical metalaxyl, which interferes with fungal RNA synthesis. Metalaxyl ST Fungicide is intended for use as a seed treatment for protection against *Pythium* and *Phytophthora* spp. damping off found on soybeans and the forage legumes listed.

FAILURE TO FOLLOW DIRECTIONS OF THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

Resistance Management:

For resistance management, Metalaxyl ST Fungicide contains a Group 4 fungicide. Any fungal populations may contain individuals naturally resistant to Metalaxyl ST Fungicide and other Group 4 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies must be followed.

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

- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Monitor treated fungal populations for resistance development.
- Contract your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM guidance for specific crops and pathogens.
- For information or to report suspected resistance contact Plant Health Intermediate Inc. at (800) 648-7626 or at www.dphbio.com. You can also contact your pesticide distributor or university extension specialist to report resistance.

MIXING AND APPLICATION INSTRUCTIONS

This product may be applied as a water-based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist-type commercial seed treatment equipment.

This product may be applied as a hopper box or on farm tank mix seed treatment.

Hopper box application: apply Metalaxyl ST Fungicide to hopper box at time of planting and blend thoroughly to coat seed.

On-Farm Tank Mix application: apply Metalaxyl ST Fungicide to the tank/container with seed present and agitate gently until product has adequately coated seed. Transfer to planting equipment.

Prepare no more mixture than is required for the immediate operation. This product may be applied as a dry powder seed treatment with other registered seed treatment insecticides and fungicides with similar use directions. When tank/hopper box mixing with other seed treatment products, observe all directions for use, crop/sites/use rates, dilution ratios, precautions, and limitations that appear on the tank mix partner label(s). It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and

[Metalaxyl Fungicide; EPA Reg. No 94485-XX]

[Master label date January 17, 2024]

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follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Restrictions:

- **DO NOT** use with other seed treatment products unless previous experience assures compatibility.
- Maximum usage when applying both metalaxyl and mefenoxam containing products to the same crop within the same year: **DO NOT** apply more than the maximum annual total for the active ingredient as stated on the label of the product containing the lowest annual total on that crop.
- For Commercial Seed Treatment: Seed treated commercially or for sale must be dyed an unnatural color using an EPA approved dye before sale. Federal law requires that bags containing treated seed shall be labeled with the following information:
 “This seed has been treated with Metalaxyl ST Fungicide which contains the active ingredient metalaxyl. **DO NOT** use treated seed for food, feed or oil purposes. Store away from feed and foodstuffs.”
- When mixing follow the most restrictive label instructions for tank mix partners. **DO NOT** mix with any other product that contains a prohibition against mixing.
- On-Farm Seed Treatment: **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** use treated seed for food or feed purposes or process for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. **DO NOT** store excess treated seeds beyond planting time.
- As stated by regulations specified in 40 CFR 153.155, all seed treated with V-10491 FS must be colored with an EPA-approved dye or colorant to visually distinguish seed treated with a pesticide. This product contains such dye or colorant. This regulation is necessary to prevent treated seed from accidental use as a food for man or feed for animals.

Seed Bag Label Requirements

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

- This seed has been treated with Metalaxyl ST Fungicide which contains the active ingredient metalaxyl.
- **DO NOT** use treated seed for food, feed or oil purposes.
- Store away from feed and foodstuffs.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with metalaxyl:

- Store treated seed away from food and feedstuffs.
- **DO NOT** allow children, pets or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife.
- Cover or collect treated seeds spilled during loading and planting.
- Dispose of all excess treated seed by burying seed away from bodies of water.

[Metalaxyl Fungicide; EPA Reg. No 94485-XX]

[Master label date January 17, 2024]

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- **DO NOT** contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- This legume vegetable seed has been treated with xx lb ai metalaxyl per 100 lb seed.
- This soybean seed has been treated with xx lb ai metalaxyl per 100 lb seed.
- The maximum yearly total application rate, as a seed treatment, for legume vegetables is 0.0166 lb ai/A metalaxyl.
- The maximum yearly total application rate, as a seed treatment, for soybean is 0.0166 lb ai/A for metalaxyl.
- Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practices.
- **Groundwater Advisory:** Metalaxyl has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow. Therefore, contain any product spills or equipment leaks and dispose of wastes according to the disposal instructions on this label.

Seed treatment on agricultural establishment(s) at or immediately before planting is within the scope of WPS, while commercial treatment of seeds is not within the scope.

SEED TREATMENT		
CROP	DISEASE	Rate
Forage Legumes Alfalfa, Beans (for forage), Clover, Cowpeas (for forage), Cowpea hay, Lespedeza, Peanuts (for forage), Peanut hay, Peas (for forage), Pea vine hay, Soybeans (for forage), Soybean hay, Trefoil, Velvet beans (for forage) and Vetch.	<i>Pythium</i> damping-off control and early season <i>Phytophthora</i> control	15 – 30 g active ingredient (A.I.) per 100 kg of seed
DO NOT apply by seed treatment more than 0.0166 lb. of metalaxyl (7.53 g of Metalaxyl ST Fungicide) per acre per year.		

Soybean	Metalaxyl ST Fungicide Application Rate			Maximum Planting Rate – seeds/Acre	
	Seeds/lb (Seed/kg)	6.8 g A.I. – 13.6 g A.I. /100 lb. of seed	mg A.I./seed	15 g A.I./100 kg seed	30 g A.I./100 kg seed
	2000 (4400)	(15.0 – 30.0 g A.I./100 kg of seed)	0.034 – 0.068	222,458	110,729
	2400 (5280)		0.028 – 0.057	268,914	134,457
	2800 (6160)		0.024 – 0.049	313,733	156,866
	3200 (7040)		0.021 – 0.043	358,552	179,276
	3600 (7920)		0.019 – 0.038	396,294	198,147
DO NOT apply by seed treatment more than 0.0166 lb. of metalaxyl (7.53 g of Metalaxyl ST Fungicide) per acre per year.					

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STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a dry place out of direct sunlight and away from heat sources. Keep from overheating or freezing.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling:

Nonrefillable containers (<5 gallon): **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 $\frac{1}{4}$ 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 drop. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

Nonrefillable containers (≥ 5 gallon): **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 $\frac{1}{4}$ 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 reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration. **DO NOT** burn, unless allowed by state and local ordinances. If burned, stay out of smoke.

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[Warranty and Disclaimer Notice

The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risk inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absences of other materials, or the manner of use or application, all of which are beyond the control of Plant Health Intermediate Inc., the manufacturer, or the seller.

To the extent consistent with applicable law, the products sold to you are furnished “as is” by Plant Health Intermediate Inc. The manufacturer and the seller are subject only to the manufacturer’s warranties, if any, which appear on the label of the product sold to you. Except as warranted by this label, Plant Health Intermediate Inc., the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold for use of the product, including, but not limited to merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer’s or user’s exclusive remedy, and Plant Health Intermediate Inc., the manufacturer’s or the seller’s total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of Plant Health Intermediate Inc., or the seller is authorized to amend the terms of this warranty disclaimer or the product’s label or to make a presentation or direction different from or inconsistent with the label of this product.

To the extent consistent with applicable law, Plant Health Intermediate Inc., the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damage in the nature of penalties, and buyer and the user waive any right that they may have to such damages.]

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Marketing Claims:

- For Use as a Seed Treatment
- For Control of [Pythium Seed Rot,] [*Pythium* Damping-off,] [and] Early Season *Phytophthora* Diseases [for Certain Crops].
- For Agricultural Use
- For hopper box use
- On-Farm Seed Treatment Application/Use

Agricultural Crops

- [For Use on: [*species listed on product label*]]

Logo(s):

