



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

April 5, 2021

Carolyn Miter  
Registrations Specialist  
Albaugh, LLC  
P.O. Box 2127  
Valdosta, GA 31604

Subject: Registration Review Label Mitigation for Metalaxyl  
Product Name: Metalaxyl 21.4% ME  
EPA Registration Number: 42750-317  
Application Dates: 06/25/2018  
Decision Numbers: 568468

Dear Ms. Miter:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Metalaxyl Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

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 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) list 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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label 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.

Page 2 of 2  
EPA Reg. No. 42750-317  
Decision No. 568468

If you have any questions about this letter, please contact Quinn Gavin by phone at 703-347-0325, or via email at [gavin.quinn@epa.gov](mailto:gavin.quinn@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

METALAXYL	GROUP	4	FUNGICIDE
-----------	-------	---	-----------

# METALAXYL 21.4% ME ST

Seed Treatment Fungicide

A SEED TREATMENT PRODUCT FOR CONTROL OF SEED ROT AND  
DAMPING-OFF DISEASES OF CERTAIN CROPS

**ACTIVE INGREDIENTS:**

Metalaxyl: N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alanine methyl ester . . . . . 21.4%  
 OTHER INGREDIENTS: . . . . . 78.6%  
 TOTAL: . . . . . 100.00%

Contains 1.91 lbs. of metalaxyl per gallon.

## KEEP OUT OF REACH OF CHILDREN

# WARNING / AVISO

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

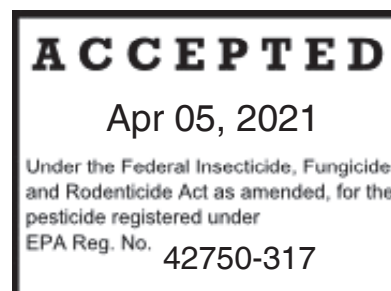
IF IN EYES:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED:	<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 do so by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</li> </ul>
IF ON SKIN OR CLOTHING:	<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>
In case of a medical or transportation emergency call CHEMTREC toll free at 1-800-424-9300. Have product container or label with you when calling a poison control center or doctor, or going for treatment.	

EPA Reg. No. 42750-317

EPA Est. No. xxxxxx-xx-xxx

NET CONTENT: \_\_\_\_\_

Manufactured For:  
ALBAUGH, LLC  
1525 NE 36<sup>th</sup> ST  
ANKENY, IA 50021



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### WARNING / AVISO

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes or on clothing. Wear protective eyewear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Protective eyewear (goggles, face shield, or safety glasses).
- Chemical resistant gloves (made of barrier laminate butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils, or Viton®  $\geq 14$  mils)

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

#### ENVIRONMENTAL HAZARDS

For terrestrial uses, 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 apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Groundwater Advisory: This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seed spilled during loading and planting. Dispose of all excess treated seed by burying seed away from bodies of water. Do not contaminate bodies of water when disposing of planting equipment wash water.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in 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.

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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,
- Socks and chemical resistant footwear,
- Chemical resistant gloves (*made of* barrier laminate butyl rubber  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils, polyvinyl chloride (PVC)  $\geq 14$  mils, or Viton®  $\geq 14$  mils)
- Protective eyewear (goggles, face shield, or safety glasses)

### RESTRICTION:

- In California - Only for use in commercial seed treating establishments. Not allowed for "on-farm" use.
- When applying both metalaxyl-containing and mefenoxam-containing products to the same crop within the same season do not apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop.
- When using formulations that do not contain dye, to comply with 40 CFR 153.155, all seed treated with an economic poison must be colored to distinguish and prevent subsequent inadvertent 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 21.4% ME, a fungicide containing metalaxyl.

- Do not use treated seed for feed, food, or oil purposes.

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 chemical resistant gloves (barrier laminate butyl rubber ≥14 mils nitrile rubber ≥14 mils neoprene rubber ≥14 mils polyvinyl chloride (PVC) ≥14 mils or Viton® ≥14 mils) 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.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- Excess treated seed may be used for ethanol production if
  1. by-products are not used for livestock feed and
  2. no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

METALAXYL 21.4% ME ST is a systemic fungicide for use as a seed dressing specifically for control of systemic downy mildews, *Pythium* and *Phytophthora spp.*

### **TANK MIXING AND COMPATIBILITY**

Do not use with other seed treatment products unless previous experience assures compatibility.

Follow the manufacturer's application instructions for the seed treatment equipment being used.

METALAXYL 21.4% ME ST 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. Follow more restrictive labeling requirements of tank mix products. Do not tank mix with any product that contains a prohibition on tank mixing. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and 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.

### **RESISTANCE MANAGEMENT RECOMMENDATIONS**

METALAXYL 44% FL ST is a systemic fungicide that contains:

Metalaxyl, a Group 4 mode of action fungicide that belongs to the phenylamide class of chemistry which interferes with fungal RNA synthesis.

Any fungal population may contain individuals naturally resistant to Group 4 mode of action fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Because resistance development cannot be predicted, the use of this product should follow appropriate resistance-management strategies.

To delay fungicide resistance, use should be based on an IPM program that includes the following steps:

- Use tank mixtures with fungicide from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.

- Adopt an integrated disease management program for fungicide 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.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Albaugh, LLC at 1-800-247-8013. You can also contact your pesticide distributor or university extension specialist to report resistance.
- Rotate the use of METALAXYL 21.4% ME ST or other Group 4 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.

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

CROP	APPLICATION INSTRUCTIONS (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)				
Canola* Mustard Seed* Rapeseed*	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 0.35 - 0.70 fl. oz. per 100 lbs of seed.  *Not registered for use in California.				
Cotton	For <i>Pythium</i> seed rot and damping-off. Apply METALAXYL 21.4% ME ST as a seed treatment:				
	METALAXYL 21.4% ME ST Application rate			Maximum Planting rate - seeds/A*	
	seeds/lb	fl oz/CWT	mg AI/seed	@ 1.0 fl oz/CWT	@ 2.0 fl oz/CWT
	3600	1.0 - 2.0	0.019 - 0.038	96,320	48,160
	4400	1.0 - 2.0	0.015 - 0.031	117,700	58,860
	5200	1.0 - 2.0	0.013 - 0.026	139,100	69,560
6000	1.0 - 2.0	0.011 - 0.023	160,500	80,270	
RESTRICTIONS: * Do not apply by seed treatment more than 0.004 pounds of Metalaxyl A.I. (0.3 fl. oz. METALAXYL 21.4% ME ST) per acre per year.					
Soybeans	For <i>Pythium</i> damping off and early season <i>Phytophthora</i> control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 - 2.0 fl. oz. per 100 lbs. of seed.				
	METALAXYL 21.4% ME ST Application rate			Maximum Planting rate - seeds/A*	
	seeds/lb	fl oz/CWT	fl. oz./140,000 seed unit	mg AI/seed	@ 1.0 fl oz/CWT

CROP	APPLICATION INSTRUCTIONS (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)					
		2000	1.0 - 2.0	0.74 - 1.46	0.034 - 0.068	222,100
	2400	1.0 - 2.0	0.61 - 1.23	0.028 - 0.057	266,500	133,200
	2800	1.0 - 2.0	0.53 - 1.00	0.024 - 0.048	310,900	155,400
	3200	1.0 - 2.0	0.46 - 0.92	0.021 - 0.042	355,300	177,700
	3600	1.0 - 2.0	0.40 - 0.81	0.019 - 0.038	399,700	199,900
	RESTRICTIONS: * Do not apply by seed treatment more than 0.0166 pounds of Metalaxyl a.i. (1.11 fl. oz. METALAXYL 21.4% ME ST) per acre per year.					
Peanuts*	For <i>Pythium</i> seed rot and damping off: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 - 2.0 fl. oz. per 100 lbs. of seed.  * Not registered for use in California.					
Sorghum	For control of <i>Pythium</i> damping-off apply 0.5 - 1.0 fl.oz. of METALAXYL 21.4% ME ST per 100 lbs. of seed applied as a seed treatment.  For control of systemic downy mildew (races susceptible to chemical control), apply 1.0 - 2.0 fl. oz. METALAXYL 21.4% ME ST per 100 lbs. of seed on cultivars which possess sorghum downy mildew resistance. To those cultivars which do not possess resistance to a particular race of sorghum downy mildew in heavily infected areas with recent severe history, apply 2.0 - 4.1 fl. oz. of METALAXYL 21.4% ME ST per 100 lbs. of seed as a seed treatment.  Only high quality sorghum seed (90% germination and above) should be treated with METALAXYL 21.4% ME ST.					
Sunflowers	For control of systemic downy mildew: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 2.0 - 4.1 fl. oz. per 100 lbs. of seed.					
Forage Legumes	Alfalfa, clover, lespedeza, beans (for forage), soybeans (for forage), soybean hay, peanuts (for forage), peanut hay, peas (for forage), pea vine hay, cowpeas (for forage), cowpea hay, trefoil, vetch and velvet beans (for forage).  For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 - 2.0 fl. oz. per 100 lbs. of seed.					
Grain Crops	Wheat, barley, rye, oats, millet, milo, corn (field corn, sweet corn and popcorn), buckwheat and triticale.  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 oz. per 100 lbs. of seed.  For systemic downy mildew control of sweet corn: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 2.0 fl. oz. per 100 lbs. of seed.					
Rice*	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 - 2.0 fl. oz. per 100 lbs. of seed. If using metalaxyl treated rice do not use Ridomil for control of <i>Pythium</i> in water-seeded rice.  * Not registered for use in California.					
Seed and Pod Vegetables	Black-eyed peas, chickpeas (Garbanzos), cowpeas, dill, edible soybeans, field beans, field peas, garden peas, green beans, kidney beans, lima beans, lupines, navy beans, okra, peas, pole beans, snap beans, string beans, wax beans, and lentils.  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 fl. oz. per 100 lbs. of seed.					



CROP	APPLICATION INSTRUCTIONS (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)
	For control of <i>Pythium</i> damping-off and systemic downy mildew of peas: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 2.0 fl. oz. per 100 lbs. of seed.
Turf Grasses	For <i>Pythium</i> damping-off control on golf courses, home lawns reclamation and erosion control projects: Apply METALAXYL 21.4% ME ST as a seed treated at the rate of 2.0 fl. oz. per 100 lbs of seed.
Forage Grasses	Grasses grown for hay, grazing or silage, corn (fodder or silage), sorghum (hay or silage), and small grain grown for hay, grazing or silage.  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 fl. oz. per 100 lbs. of seed.
Brassica (Cole) Leafy Vegetables*	Broccoli (Chinese and raab), Brussels sprouts, cabbage (Chinese bok choy, Chinese napa and mustard), cauliflower, cavalo broccoli, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 fl. oz. per 100 lbs. of seed.  *Not registered for this use in California.
Cucurbit Vegetables*	Chayote (fruit), Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (hyotan, cucuza, Chinese okra, and hechima), Momordica spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelon (true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), pumpkin, summer squash (crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), winter squash (butternut squash, calabaza, hubbard squash), Cucumis mixta, Cucumis pepo (acorn squash, spaghetti squash), watermelon (hybrids and/or varieties of Citrullus lanatus).  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 fl. oz. per 100 lbs. of seed.  *Not registered for this use in California.
Leafy Vegetables*	Amaranth (leafy, Chinese spinach, tampala), cardoon, celery (Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive, fennel (finocchio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, spinach* (New Zealand and vine), and Swiss chard.  * Not registered for use in California.  RESTRICTIONS: Do not apply METALAXYL 21.4% ME ST to spinach which is destined to be grown in the greenhouse. Containers or bags containing METALAXYL 21.4% ME ST treated spinach seed must be labeled with the restriction: "Do not grow spinach from treated seed in greenhouses."  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 fl. oz. per 100 lbs. of seed.
Fruiting Vegetables	Eggplants, ground cherry, pepino, pepper (bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato  For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 fl. oz. per 100 lbs of seed.
Onions	Onion (dry bulb and green)

CROP	APPLICATION INSTRUCTIONS (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)
	For Pythium damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 fl. oz. per 100 lbs. of seed.
Root and Tuber Vegetables (except potatoes)*	<p>Arracacha, arrowroot, artichoke (Chinese and Jerusalem), beet (garden and sugar), burdock (edible), canna (edible), carrot, cassava (bitter and sweet), celery root, chayote, chervil, chicory, chufa, dasheen, ginger, ginseng, horseradish, leren, parsley (turnip-rooted), parsnip, radish (oriental dalkon), rutabaga, salsify (black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manico pea), yam</p> <p>For Pythium damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 fl. oz./100 lbs. of seed.</p> <p>RESTRICTIONS: Do not apply METALAXYL 21.4% ME ST to potatoes.</p> <p>*Not registered for this use in California.</p>

Directions for Use at Reduced Rates in Combination With Other Fungicides:

This product is a systemic fungicide seed dressing which may be applied in combinations with other EPA registered fungicides to aid in control of Pythium. This product may be applied as a water-based slurry through standard slurry of mist type commercial seed treatment equipment.

SEED	INSTRUCTIONS FOR USE (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)
Corn (field), Wheat, Oats, Barley, Rye	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 0.14 - 0.52 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of seed treatment fungicides.
Soybeans, Field beans, Kidney beans, Navy beans, Pinto beans, Lentils, Peas	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 0.14 - 0.52 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.
Sunflowers	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 0.14 - 0.52 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.
Peanuts*	<p>To aid in the control of seed decay and damping-off caused by <i>Pythium</i>: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 0.14 - 0.52 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.</p> <p>*Not registered for use in California.</p>
Rice*	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> : Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 0.14 - 0.52 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.

	*Not registered for use in California.
--	--

### SEED TREATMENT – EXPORT USE

For treatment of the following seed for export only to countries requiring treatment with metalaxyl before importation.

Seed treated in accordance with the export use application instructions must be labeled as follows:

“For export only – NOT for domestic sale or use.”

Refer to the Seed Bag Label Requirements section for labeling requirements on treated seed containers.

Directions for use at reduced rates in combination with other fungicides METALAXYL 21.4% ME ST is a systemic fungicide seed dressing which may be applied in combination with other EPA-registered fungicides to aid in control of Pythium. METALAXYL 21.4% ME ST may be applied as a water-based slurry through standard slurry or mist-type commercial seed treatment equipment.

CROP	APPLICATION INSTRUCTIONS (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)					
Brassica (Cole) Leafy Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 1.0 - 2.0 fl. oz. per 100 lbs. of seed.					
Canola	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at the rate of 0.70 - 2.38 fl. oz. per 100 lbs. of seed. (32 – 100 ml per 100 kg of seed)					
Corn	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.					
	For systemic downy mildew control: Apply METALAXYL 21.4% ME ST as a seed treatment at 4.1 fl. oz. per 100 lbs. of seed.					
		METALAXYL 21.4% ME ST Application rate			Maximum Planting rate - seeds/A*	
	seeds/lb	fl oz/CWT	Fl. oz./80,000 seed unit	mg AI/seed	@ 0.14 fl oz/CWT	@ 0.52 fl oz/CWT
	1200	0.14 - 0.52	0.09 - 0.35	0.008 - 0.028	457,500	122,000
	1600	0.14 - 0.52	0.07 - 0.26	0.006 - 0.021	610,000	162,700
	2000	0.14 - 0.52	0.06 - 0.21	0.005 - 0.017	762,500	203,300
2400	0.14 - 0.52	0.04 - 0.18	0.004 - 0.014	915,000	244,000	
<b>RESTRICTIONS:</b> * Do not apply by seed treatment more than 0.0075 pounds of Metalaxyl a.i. (0.5.fl. oz. METALAXYL 21.4% ME ST) per acre per year.						
Cucurbit Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 fl. oz. per 100 lbs. of seed.					
Fruiting Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.					

CROP	APPLICATION INSTRUCTIONS (METALAXYL 21.4% ME ST contains 0.015 lbs of active per fluid ounce)
Leafy Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.
Onions	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.
Millet	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.  For systemic downy mildew control: Apply METALAXYL 21.4% ME ST as a seed treatment at 3.5 fl. oz. per 100 lbs. of seed.
Peas	For <i>Pythium</i> damping-off and early season Phytophthora control: Apply METALAXYL 21.4% ME ST as a seed treatment at 4.8 fl. oz. per 100 lbs. of seed.
Root and Tuber Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.  RESTRICTIONS: Do not apply METALAXYL 21.4% ME ST to potatoes.
Sorghum	For <i>Pythium</i> damping-off control: Apply METALAXYL 21.4% ME ST as a seed treatment at 1.0 - 2.0 fl. oz. per 100 lbs. of seed.  For systemic downy mildew control: Apply METALAXYL 21.4% ME ST as a seed treatment at 7.3 fl. oz. per 100 lbs. of seed.
Sunflowers	For systemic downy mildew control: Apply METALAXYL 21.4% ME ST as a seed treatment at 12.5 fl. oz. per 100 lbs. of seed.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool dry location. Do not store in direct hot sunlight. Do not store above 90°F for prolonged periods of time. After prolonged storage in intense cold, allow product to return to approximately 75°F before using.

### PESTICIDE DISPOSAL:

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

### CONTAINER HANDLING:

Non-refillable containers (1, 2.5, 30 & 55 gallon): Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

(non-refillable <5 gallons): 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 ¼ 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.

(non-refillable >5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows (all sizes): Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use for disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

### Refillable containers:

Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

To clean the container before final disposal, empty the remaining contents from the 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 process two more times.

Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

## CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

Treatment of highly mechanically damaged seed, or seed of known low vigor and poor quality, may result in reduced germination and/or reduction of seed and seedling vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of Albaugh, no claims are made to guarantee germination of carry-over seed.

As its sole express warranty, Albaugh warrants that this product conforms to the chemical description on the label

and is reasonably fit for purposes stated on the label only when used in accordance with directions and instructions specified on the label, subject to the inherent risks set forth above. TO THE EXTENT PERMITTED BY APPLICABLE LAW, ALBAUGH SHALL NOT BE LIABLE FOR CONSEQUENTIAL DAMAGES. SUBJECT TO APPLICABLE LAW, ALBAUGH NEITHER MAKES NOR AUTHORIZES ANY OF ITS AGENTS OR REPRESENTATIVES TO MAKE ANY WARRANTY OF FITNESS OR MERCHANTABILITY, GUARANTY OR REPRESENTATION, EXPRESS OR IMPLIED, CONCERNING THIS MATERIAL. To the extent permitted by applicable law, Buyer assumes the responsibility to handle, use, and store this product in accordance with safety instructions and use directions contained on the label.

Buyer/User purchases this product subject to the foregoing Conditions of Sale and Limited Warranty which, subject to applicable law, may be varied only by a written agreement signed by a duly authorized representative of Albaugh. If these terms are not acceptable, return all products to the place of purchase, unopened for a full refund.

031821

**LABEL HISTORY**

Not Part of Final printed Label

File Name	Version Mark	Comment
042750-00317.20180620.DRAFT	062118	Registration Review
042750-00317.20201203.DRAFT	120320	EPA Comment Revisions
042750-00317.20210318.DRAFT	031821	EPA Comment Revisions