



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

February 12, 2024

Zack Chesser  
Regional Regulatory Manager  
UPL NA INC  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406 USA

Subject: Notification per PRN 98-10 – Adding optional referral statements and minor label updates.  
Product Name: Metalaxyl 317 FS  
EPA Registration Number: 70506-325  
Application Date: 8/22/2023  
Case Number: 472913

Dear Zack Chesser:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “NOTIFICATION” and placed in our records.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you have any questions, please contact Carmen Swinger at [swinger.carmen@epa.gov](mailto:swinger.carmen@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to be 'Stephanie Suarez', with a long horizontal flourish extending to the right.

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

[Note to reviewer, bracketed text is optional]

## Metalaxyl 317 FS ABN: STartUP METXL SEED TREATMENT

### Seed Treatment Fungicide

A seed treatment chemical for control of seed rot and damping-off diseases of certain crops

#### Active Ingredients

Metalaxyl:N-(2,6-dimethylphenyl)-N-(methoxyacetyl)alaninemetylester .....	28.98%
<b>OTHER INGREDIENTS</b> .....	<b>71.02%</b>
<b>TOTAL</b> .....	<b>100.00%</b>

Contains 2.65 pound Metalaxyl per gallon

## KEEP OUT OF REACH OF CHILDREN CAUTION

[See [front][back][side][inside][attached booklet][containers inside][inside booklet][inside leaflet] [booklet] [panel] for [First Aid] [and][additional] [Precautionary Statements] [and] [complete] [Directions for Use]

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[See [front][back][side][inside][attached booklet][containers inside][inside booklet][inside leaflet] [booklet] [panel] inside for complete Directions For Use, including Conditions of Sale and Warranty.]

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First Aid	
<b>IF ON SKIN:</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 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 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 continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<p>In Case of Emergency Call <b>Rocky Mountain Poison and Drug Safety at 1-866-673-6671</b>. Have a product container or label with you when calling a poison control center, doctor, or going for treatment.</p>	
<p>For Chemical Emergency: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.</p>	
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## NOTIFICATION

70506-325

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

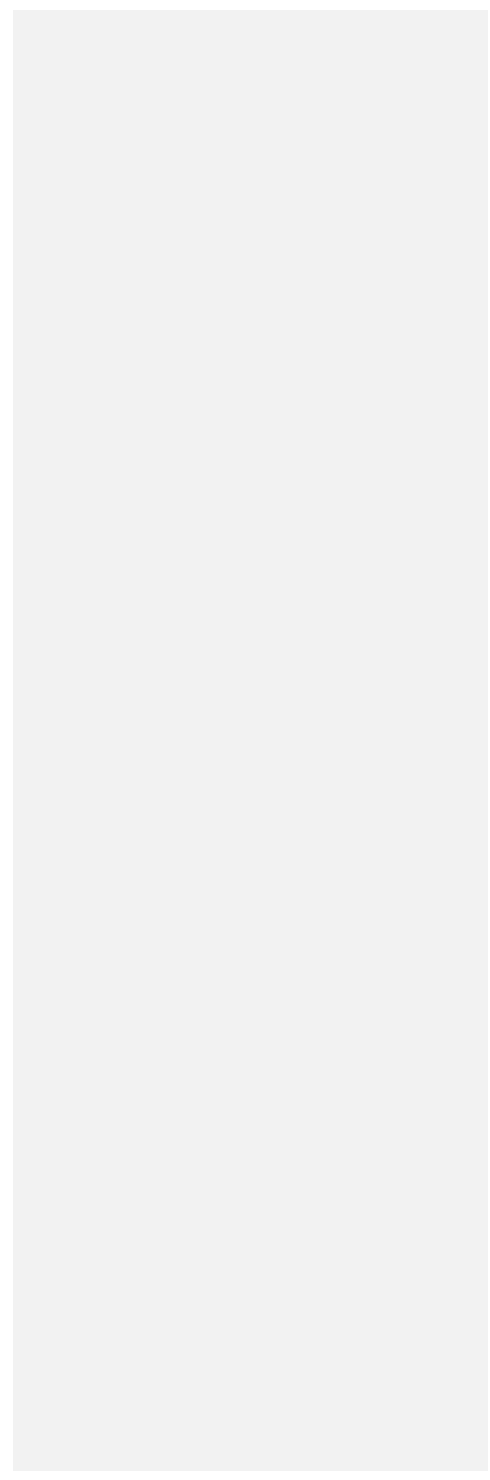
02/12/2024

For Product Use Information call 1-800-438-6071

**NET CONTENTS:**

UPL NA Inc.  
630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406

EPA Reg. No. 70506-325  
EPA Est. No. \_\_\_\_\_  
XXXXXXV002



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. 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)**

Some materials that are chemical-resistant to this product are listed below.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Socks and shoes
- Chemical-resistant gloves (such as barrier laminate >14 mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils or viton  $\geq 14$  mils)

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

**USER SAFETY RECOMMENDATIONS**

**Users should:**

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

**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: Metalaxyl 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.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not mix or allow coming into 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 you State or Tribe, consult the agency responsible for pesticide regulation.

The maximum annual rate must not exceed 12.3 lbs a.i./A.

When applying both metalaxyl- and mefenoxam-containing products to the same crop within the same season: Do not apply more than the maximum yearly total application rate for the active ingredient as stated on the label of the product containing the lowest yearly total on that crop.

#### 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 level 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 (such as barrier laminate  $\geq 14$  mils, nitrile rubber  $\geq 14$  mils, neoprene rubber  $\geq 14$  mils or viton  $\geq 14$  mils) and protective eyewear.

#### RESISTANCE-MANAGEMENT RECOMMENDATIONS

For resistance management, METALAXYL 317 FS contains a Group 4 fungicide. Any fungal population may contain individuals naturally resistant to METALAXYL 317 FS 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 should be followed.

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

- Rotate the use of METALAXYL 317 FS or other Group 4 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides 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.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- 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 UPL NA Inc. at 1-800-438- 6071. You can also contact your pesticide distributor or university extension specialist to report resistance.

#### **PRODUCT USE INFORMATION**

METALAXYL 317 FS is a systemic fungicide seed dressing specifically for control of systemic downy mildews, *Pythium*, and *Phytophthora spp.*

For control of other soilborne diseases, only use with EPA registered products which are approved for use and are compatible with this product. Do not use with other seed treatment products unless previous experience assures compatibility.

Follow the most restrictive labeling of any tank mix partner. Do not tank mix with any product, which contains a prohibition on tank mixing. METALAXYL 317 FS may be applied as water based slurry with other registered seed treatment insecticides and fungicides through standard slurry or mist-type commercial seed treatment equipment.

Excess treated seed may be used for ethanol production only if (1) by-products are not used or livestock feed and (2) no measurable residues of pesticide remain in ethanol-byproducts that are used in agronomic practice.

METALAXYL 317 FS is a systemic fungicide having a specific mode of action.

METALAXYL 317 FS could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Consult your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible METALAXYL 317 FS resistant strains on fungi which may occur. FAILURE TO FOLLOW DIRECTIONS ON THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

#### **SEED BAG LABEL REQUIREMENTS FOR TREATED SEED**

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

- This seed has been treated with METALAXYL 317 FS which contains the active ingredient Metalaxyl.
- Do not use for feed, food or oil purposes.
- Store away from food and feedstuffs.

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

- Wear long pants, long-sleeved shirt, shoes, socks, and protective gloves opening bag or handling treated seed.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Do not allow livestock to graze cotton plants grown from treated seed.
- 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 water bodies.
- Do not contaminate water bodies when disposing of planting equipment washwaters.
- Dispose of seed packaging or containers in accordance with local requirements.
- Do not use other metalaxyl or mefenoxam products for control of *Pythium* in water-seeded rice.
- Do not apply metalaxyl to spinach which is to be grown in greenhouses.
- 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 the ethanol by-products that are used in agronomic practice.

**RESTRICTIONS**

- Under 40 CFR 153.155 (a), any pesticide intended for use in treating seeds must contain an EPA-approved dye. The purpose of such dye is to impart an unnatural color to the seed to signify that it has been so treated.
- In California: ONLY for use in commercial seed-treatment establishments. Not allowed for ‘on farm’ use.

**DIRECTIONS FOR USE**

CROP	DISEASE CONTROLLED	APPLICATION INSTRUCTIONS
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	<i>Pythium</i> damping-off	Apply 0.75 fl. oz. per 100 lbs. of seed.
Canola* Mustard Seed* Rapeseed*	<i>Pythium</i> damping-off	Apply 0.25-0.50 fl. oz. per 100 lbs. of seed. Apply 0.0025 – 0.005 fl. oz. of product per 100,000 seeds to deliver 0.00023 – 0.00047 mg ai per seed. (Based on an average of 100,000 seeds per pound.) <b>Note: Do not harvest mustard greens. Rape green seeds grown and harvested from METALAXYL 317 FS treated seed are not for human or feed consumption. Rapeseed grown and harvested from METALAXYL 317 FS treated seed is only for industrial uses and cannot be used for edible oil or any other human consumption or animal feed.</b>
Cotton	Pythium seed rot Pythium damping off	Apply 0.75 – 1.5 fl. oz. per 100 lbs. of seed. Apply 0.167 – 0.333 fl. oz. of product per 100,000 seeds to deliver 0.0156-0.0312 mg ai per seed. (Based on average of 4,500 seeds per pound.)



<p>Cucurbit Vegetables:  Chayote (fruit), Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (hyotan, cucuzza (Chinese okra and hechima), Momordica spp. (balsam apple, balsam pear, bitter melon, Chinese 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.)</p>	<p><i>Pythium</i> damping-off</p>	<p>Apply 0.75 fl. oz. per 100 lbs. of seed.</p>
<p>Fruiting vegetables*:  Eggplant, ground cherry, pepino , pepper (bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato</p>	<p><i>Pythium</i> damping-off</p>	<p>Apply METALAXYL 317 FS as seed treatment at 0.10-0.75 fl. oz. per 100 lbs. of seed.</p>

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).	<i>Pythium</i> damping-off and early season. <i>Phytophthora</i>	Apply 0.75-1.5 fl. oz. per 100lbs. 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.	<i>Pythium</i> damping-off	Apply 0.75 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.	<i>Pythium</i> damping-off	Apply 0.75 fl. oz. per 100 lbs. of seed.
	systemic downy mildew	Apply at the rate of 1.5 fl. oz. per 100 lbs. of seed.
Onions* Onion (dry bulb and green)	<i>Pythium</i> damping-off	Apply 0.75 fl. oz. per 100 lbs. of seed.
Peanuts*	<i>Pythium</i> seed rot <i>Pythium</i> damping off	Apply 0.75 fl. oz. per 100 lbs. of seed. Apply 1.071 fl. oz. per 100,000 seeds to deliver 0.1004 mg ai per seed. (Based on average of 700 seeds per pound.)
Rice*	<i>Pythium</i> damping off	Apply 0.75 – 1.5 fl. oz. per 100 lbs. of seed. Apply 0.040-0.080 fl. oz. per 100,000 seeds to deliver 0.0037-0.0075 mg ai per seed. (Based on average of 18,800 seeds per pound.)

Root and Tuber Vegetables* (except potatoes) 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 (turniprooted), parsnip, radish (oriental daikon), rutabaga, salsify (black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manioc pea), yam	<i>Pythium</i> damping-off	Apply 0.75 fl. oz. per 100 lbs. of seed.
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	<i>Pythium</i> damping-off	Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 fl. oz. per 100 lbs. of seed.
	Early season <i>Phytophthora</i>	Apply 0.75 fl. oz. per 100 lbs. of seed.
	<i>Pythium</i> damping-off and systemic downy mildew of peas	Apply 1.5 fl. oz. per 100 lbs. of seed.
Sorghum	<i>Pythium</i> damping-off	Apply 0.375-0.75 fl. oz. per 100 lbs. of seed. Apply 0.021-0.42 fl. oz per 100,000 seeds to deliver 0.0020-0.0039 mg ai per seed. (Based on average of 18,000 seeds per pound).
	Systemic downy mildew (races susceptible to chemical control, and cultivars which possess sorghum downy mildew resistance)	Apply 0.75 – 1.5 fl. oz per 100 lbs. of seed.
Soybeans	<i>Pythium</i> damping off Early season <i>Phytophthora</i>	Apply 0.75 – 1.5 fl. oz. per 100 lbs. of seed. Apply 0.038 -0.075 fl. oz. of product per 140,000 seeds to deliver 0.0251 -0.0502 mg ai per seed. (Based 2,800 seeds per pound.)

Sunflowers	systemic downy mildew	Apply 1.5-3.0 fl. oz. per 100 lbs. of seed.
		<p>For oil type: Apply 0.214 – 0.429 fl. oz of product per 100,000 seeds to deliver 0.0201-0.0402 mg ai per seed. (Based on average of 7,000 seeds per pound.)</p> <p>For confection type: Apply 0.429-0.857 fl. oz. of product per 100,000 seeds to deliver 0.0402 – 0.0804 mg ai per seed. (Based on average of 3,500 seeds per pound.)</p>
Turf Grasses	For <i>Pythium</i> damping-off control on golf courses, home lawns reclamation and erosion control projects	Apply 1.5 fl. oz. per 100 lbs. of seed.

\*Use not permitted in California.

Use the higher specified rate of METALAXYL 317 FS when disease pressure is above what is usual. Increasing the use rate of METALAXYL 317 FS to the higher end of the specified rate range will provide both increased levels of control along with a longer time of activity.

**DIRECTIONS FOR USE AT REDUCED RATES IN COMBINATION WITH OTHER FUNGICIDES**

METALAXYL 317 FS is a systemic fungicide seed dressing which may be applied in combination with other EPA-registered fungicides to aid in control of *Pythium*. METALAXYL 317 FS may be applied as a water-based slurry through standard slurry or mist-type commercial seed treatment equipment.

Corn (Field)	To aid in the control of seed decay and damping-off caused by <i>Pythium</i> . Apply METALAXYL 317 FS Seed Treatment Fungicide as a commercial seed treatment. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.					
	METALAXYL 317 FS Application rate			Maximum Planting rate – seeds/A*		
	seeds/lb.	fl. oz./CWT	fl. oz./80,000 seed unit	mg AI/seed	@0.1 fl. oz./CWT	@0.375 fl. oz./CWT
	1200	0.1 – 0.375	0.07 – 0.25	0.008 – 0.028	457,500	122,000
	1600	0.1 – 0.375	0.05 – 0.19	0.006 – 0.021	610,000	162,700
	2000	0.1 – 0.375	0.04 – 0.15	0.005 – 0.017	762,500	203,300
	2400	0.1 – 0.375	0.03 – 0.13	0.004 – 0.014	915,000	244,000
<b>*Do not apply by seed treatment more than 0.0076 pounds of Metalaxyl (0.46 fl. oz. METALAXYL 317 FS Application rate) per acre per year.</b>						
Wheat, Oats, Barley, Rye	To aid in the control of seed decay and damping-off cause by <i>Pythium</i> : Apply METALAXYL 317 FS as a commercial seed treatment at the rate of 0.10 – 0.375 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum 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 cause by <i>Pythium</i> : Apply METALAXYL 317 FS as a commercial seed treatment at the rate of 0.20 – 0.375 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 cause by <i>Pythium</i> : Apply METALAXYL 317 FS as a commercial seed treatment at the rate of 0.10 – 0.375 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.					
Peanuts*	To aid in the control of seed decay and damping-off cause by <i>Pythium</i> : Apply METALAXYL 317 FS as a commercial seed treatment at the rate of 0.20 – 0.375 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides. *Use not permitted in California.					
Rice*	To aid in the control of seed decay and damping-off cause by <i>Pythium</i> : Apply METALAXYL 317 FS as a commercial seed treatment at the rate of 0.10 – 0.375 fl. oz. per 100 lbs. of seed. Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides. *Use not permitted in California.					

**SEED TREATMENT-EXPORT USE ONLY NOT  
FOR DOMESTIC SALES OR USE.**

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

Brassica (Cole) Leafy Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 – 1.50 fl. oz. per 100 lbs. of seed.
Canola	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.50 – 1.70 fl. oz. per 100 lbs. of seed. (32 – 110 ml per 100kg of seed)
Corn	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 – 1.50 fl. oz. per 100 lbs. of seed. For systemic downy mildew control: Apply METALAXYL 317 FS as a seed treatment at 3.0 fl. oz. per 100 lbs. of seed.
Cucurbit Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 fl. oz. per 100 lbs. of seed.
Fruiting Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 – 1.50 fl. oz. per 100 lbs. of seed.
Leafy Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 – 1.50 fl. oz. per 100 lbs. of seed.
Onion	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 – 1.50 fl. oz. per 100 lbs. of seed.
Millet	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at the rate of 0.75 – 1.50 fl. oz. per 100 lbs. of seed. For systemic downy mildew control: Apply METALAXYL 317 FS as a seed treatment at 2.5 fl. oz. per 100 lbs. of seed.
Peas	For <i>Pythium</i> damping-off and early season <i>Phytophthora</i> control: Apply METALAXYL 317 FS as a seed treatment at 3.5 fl. oz. per 100 lbs. of seed.
Root and Tuber Vegetables	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at 0.75 – 1.50 fl. oz. per 100 lbs. of seed.
Sorghum	For <i>Pythium</i> damping-off control: Apply METALAXYL 317 FS as a seed treatment at 0.75 – 1.50 fl. oz. per 100 lbs. of seed. For systemic downy mildew control: Apply METALAXYL 317 FS as a seed treatment at 5.25 fl. oz. per 100 lbs. of seed.
Sunflowers	For systemic downy mildew control: Apply METALAXYL 317 FS as a seed treatment at 9.0 fl. oz. per 100 lbs. of seed.

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

**FOR EXPORT ONLY  
NOT FOR DOMESTIC SALES OR USE.**

#### **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**

**Nonrefillable containers equal to or less than 5 gallons. Do not reuse or refill this container.** 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. If pressure rinsing, 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 or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration. Do not burn, unless allowed by state and local ordinances.

**Nonrefillable containers greater than 5 gallons. Do not reuse or refill this container.** Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty 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 container for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, by incineration. Do not burn, unless allowed by state and local ordinances.

**IMPORTANT INFORMATION READ BEFORE USING PRODUCT**

**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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