

Sebring™ 480 FS

Fungicide

For use as a seed treatment for control of systemic downy mildew, pythium seed rot, pythium damping-off, and early season phytophthora diseases of certain crops.

ACTIVE INGREDIENT:

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

44.08%

OTHER INGREDIENTS:

55.92%

TOTAL:

100.00%

Contains 4.0 pounds Metalaxyl per gallon (480 grams per liter).

KEEP OUT OF REACH OF CHILDREN
CAUTION

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL
PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or
Exposure, Call CHEMTREC
(800) 424-9300

For Medical Emergencies Only,
Call (877) 325-1840

EPA Reg. No. 55146-106

Manufactured for
Nufarm Americas Inc.
AGT Division
150 Harvester Drive
Burr Ridge, IL 60527



FIRST AID

IF SWALLOWED	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by the poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF IN EYES	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 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 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 by mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

You may also contact 1-877-325-1840 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes and socks,
- Chemical-resistant gloves such as barrier laminate or nitrile rubber or neoprene rubber or Viton.

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

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 apply when weather conditions favor drift from treated areas. 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.

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 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 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, shoes plus socks and chemical-resistant gloves such as barrier laminate or nitrile rubber or neoprene rubber or Viton.

GENERAL PRECAUTIONS AND RESTRICTIONS

This product is a systemic fungicide seed dressing specifically for control of systemic downy mildews, *Pythium* and *Phytophthora spp.* For control of other soilborne diseases, combination of captan, thiram and carboxin registered formulations are compatible. Do not use with other seed treatment products unless previous experience assures compatibility.

Note: This product is a systemic fungicide having a specific mode of action. This product could be subject to development of resistant strains of fungi. Development of resistance cannot be predicted. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible metalaxyl resistant strains of fungi which may occur. FAILURE TO FOLLOW DIRECTIONS OF THIS LABEL MAY RESULT IN CROP INJURY OR POOR DISEASE CONTROL.

Maximum usage when applying both metalaxyl and mefenoxam containing products to the same crop within the same season: Do not apply more than the maximum seasonal total for the active ingredient as stated on the label of the product containing the lowest seasonal total on that crop.

In California: Only for use in commercial seed treating establishments. Not allowed for "on-farm" use.

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.

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

Planter Box Treatment: Apply at the specified rate and premix with the seed directly in the planter box at planting. Place half the amount of seed into the planter box and apply half the required amount of pesticide to the seed. Stir the seed thoroughly with a paddle until the seed is uniformly coated. Place the remaining half of the seed into the planter box and add the remaining half of the pesticide. Again stir the seed with the paddle until all seed is thoroughly coated.

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 Sebring 480 FS Fungicide which contains the active ingredient metalaxyl. Do not use treated seed for food, feed, or oil purposes. Store away from feed and foodstuffs. Do not harvest mustard greens. Rape greens grown and harvested from Sebring 480 FS Fungicide treated seed must not be used for human and feed consumption. Rapeseed grown and harvested from Sebring 480 FS Fungicide treated seed is only for industrial uses and cannot be used for edible oil or any other human/feed consumption."

Tank Mixing: When tank mixing follow the most restrictive label instructions for any tank mix partner. Do not tank mix with any product that contains a prohibition against tank mixing.

SEED TREATMENT

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.

DOMESTIC USE

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds of Seed)
Beets, Garden Sugarbeets	<i>Pythium</i> damping-off control	0.50
Canola* Mustard Seed* Rapeseed*	<i>Pythium</i> damping-off control	0.20 - 0.30
	NOTE: Do not harvest mustard greens. Rape greens grown and harvested from Sebring 480 FS Fungicide treated seed must not be used for human and feed consumption. Rapeseed grown and harvested from Sebring 480 FS Fungicide treated seed is only for industrial uses and cannot be used for edible oil or any other human/feed consumption.	
Carrots*	<i>Pythium</i> damping-off control	0.50
Cotton	<i>Pythium</i> seed rot and damping-off control	0.50 - 1.00
Cucumbers*	<i>Pythium</i> damping-off control	0.50
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 control	0.50

(continued)

DOMESTIC USE (Continued)

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds of Seed)
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 and early season <i>Phytophthora</i> control	0.50 - 1.00
Grain Crops Barley, Buckwheat, Corn (field corn, sweet corn and popcorn), Millet, Milo, Oats, Rye, Triticale, and Wheat	<i>Pythium</i> damping-off control	0.50
	Systemic downy mildew control of sweet corn	1.00
Peanuts*	<i>Pythium</i> seed rot and damping-off control	0.50
Rice*	<i>Pythium</i> damping-off control	0.50 - 1.00
<p>Note: If using Sebring 480 FS treated rice do not use metalaxyl or mefenoxam for control of <i>Pythium</i> in water-seeded rice. Containers or bags containing Sebring 480 FS treated rice seed must be labeled with this restriction.</p>		

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DOMESTIC USE (Continued)

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds 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, Lentils, Lima beans, Lupines, Navy beans, Okra, Peas, Pole beans, Snap beans, String beans and Wax beans.	<i>Pythium</i> damping-off control	0.50
	Early season <i>Phytophthora</i> control	0.50
	Control of <i>Pythium</i> damping-off and systemic downy mildew of peas	1.00
Sorghum	<i>Pythium</i> damping-off	0.25 - 0.50
	Systemic downy mildew (races susceptible to chemical control)	0.50 - 2.00 Apply 0.50 – 1.00 fluid ounces of this product 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 1.00 – 2.00 fluid ounces of this product. Only high quality sorghum seed (90% germination and above) should be treated with this product.

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DOMESTIC USE (Continued)

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds of Seed)
Soybeans	<i>Pythium</i> damping-off control and early season <i>Phytophthora</i> control	0.50 - 1.00
Spinach*	<i>Pythium</i> damping-off control	0.50
	Note: Do not apply this product to spinach which is destined to be grown in the greenhouse. Containers or bags containing Sebring 480 FS treated spinach seed must be labeled with this restriction.	
Sunflowers	Systemic downy mildew control	1.00 - 2.00
Turf Grasses Golf Courses, Home Lawns, Reclamation and Erosion Control Projects	<i>Pythium</i> damping-off control	1.00

* Not registered for use in California

EXPORT USE

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

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds of Seed)
Brassica (Cole) Leafy Vegetables	<i>Pythium</i> damping-off control	0.50 - 1.00
Canola	<i>Pythium</i> damping-off control	0.30 - 1.10 (20 - 66 ml per 100 Kg of seed)

EXPORT USE (Continued)

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds of Seed)
Corn	<i>Pythium</i> damping-off control	0.50 - 1.00
	Systemic downy mildew control	2.00
Cucurbit Vegetables	<i>Pythium</i> damping-off control	0.50
Fruiting Vegetables	<i>Pythium</i> damping-off control	0.50 - 1.00
Leafy Vegetables	<i>Pythium</i> damping-off control	0.50 - 1.00
Millet	<i>Pythium</i> damping-off control	0.50 - 1.00
	Systemic downy mildew control	1.70
Onions	<i>Pythium</i> damping-off control	0.50 - 1.00
Peas	<i>Pythium</i> damping-off and early season <i>Phytophthora</i> control	2.30
Root and Tuber Vegetables	<i>Pythium</i> damping-off control	0.50 - 1.00
	NOTE: Do not apply this product to potatoes.	
Sorghum	<i>Pythium</i> damping-off control	0.50 - 1.00
	Systemic downy mildew control	3.50
Sunflower	Systemic downy mildew control	6.00

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

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

DIRECTIONS FOR USE AT REDUCED RATES IN COMBINATION WITH OTHER FUNGICIDES

This product is a systemic fungicide seed dressing which may be applied in combination 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.

CROP	DISEASE	RATE (Fluid Ounces per 100 Pounds of Seed)
Barley, Corn (field), Oats, Rye and Wheat	Aid in control of seed decay and damping-off caused by <i>Pythium</i>	0.07 - 0.25
Beans (field, kidney, navy and pinto), Lentils, Peas and Soybeans		
Peanuts*		
Rice*		
Sunflowers		

* Not registered for use in California

NOTE: Apply only in combination with EPA registered rates of broad-spectrum seed treatment fungicides.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Store in 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 DISPOSAL:

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. Agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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SPECIMEN