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Innovative natural product solutions for pest management

Serenade[®] MAX
EPA Reg. No. 69592-11

SUPPLEMENTAL LABEL

Instructions for Use as a Soil Treatment

(Includes uses not previously printed on the container label.)

The recommendations on this supplemental label are not registered for use in California.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. For any requirements specific to your state or tribe, consult the state or tribal agency responsible for pesticide regulation.

See label attached to the container for First Aid, Precautionary Statements, Storage and Disposal Instructions and Directions for Use.

This labeling must be in the possession of the user at the time of pesticide application.

FOR USE AS A SOIL TREATMENT ON SELECT AGRICULTURAL FIELD CROPS

Serenade MAX has a 0-Day PreHarvest Interval for all crops contained on this label. Under moderate to severe disease pressure, for improved performance, increase rates and reduce spray intervals or use Serenade MAX in a tank mix or rotational program with other registered fungicides.

Serenade MAX is a broad spectrum biofungicide for the prevention, suppression and control of soil borne diseases on a wide range of fruits and vegetables. Serenade MAX enhances germination and plant growth by suppressing diseases caused by *Rhizoctonia* and *Pythium*.

APPLICATION INSTRUCTIONS:

Soil Treatment At Planting:

Use at planting, seeding, or transplant. Mix 0.5 lb. to 3 lb. of Serenade MAX in appropriate amount of water per acre. Use higher application rates under conditions of heavy disease pressure. Apply finished mixture at a rate to thoroughly soak the growing media through the root zone (1 pint finished mixture / sq. ft for each 3 inches of soil depth) as a drench or directed spray using hand held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. Serenade MAX can be mixed with chemical fungicides registered for soil applications.

Soil Treatment Through Irrigation: Use at any stage of plant growth. Mix 0.5 lb. to 3 lb. of Serenade MAX in appropriate amount of water per acre. Use higher application rates under conditions of heavy disease pressure. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle. Serenade MAX can be mixed with chemical fungicides registered for soil applications.

In-Furrow Applications:

For in-furrow applications, apply Serenade MAX as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Use the higher rates when the weather conditions are expected to be conducive for disease development, if the field has a history of disease problems, or if minimum/low till programs are in place.

See application rates tables for rates and application instructions.

IN-FURROW APPLICATION RATES							
Rate per 1000 row feet	Product Per Acre (oz)						
oz. product	22" rows	30" rows	32" rows	34" rows	36" rows	38" rows	40" rows
0.6	13.1	9.6	9.0	8.5	8.0	7.6	7.2
3.3	78.4	57.5	53.9	50.8	48.0	45.5	43.1
40" = 13,068 row ft/acre, 38" = 13,754 row ft/acre, 36" = 14,520 row ft/acre, 34" = 15,374 row ft/acre, 32" = 16,315 row ft/acre, 30" = 17,424 row ft/acre, and 22" = 23,760 row ft/acre.							

IN-FURROW APPLICATION RATES							
Rate per 1000 row feet	Product Per Acre (1lb)						
oz. product	22" rows	30" rows	32"rows	34"rows	36"rows	38" rows	40"rows
0.6	0.82	0.60	0.56	0.53	0.50	0.47	0.45
3.3	4.90	3.59	3.37	3.17	3.00	2.84	2.70
40" = 13,068 row ft/acre, 38" = 13,754 row ft/acre, 36" = 14,520 row ft/acre, 34" = 15,374 row ft/acre, 32" = 16,315 row ft/acre, 30" = 17,424 row ft/acre, and 22" = 23,760 row ft/acre.							

Application Rates of Serenade MAX for Soil Uses in Field for Soilborne/Seedling Disease Control

Crops	Disease	Rate	Application Instructions Soil Drench and In-furrow
Brassica Broccoli Cabbage Cauliflower Brussels Sprouts Collards Kale Mustard Greens Kohlrabi and other brassica crops	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp.	Soil Drench 0.5 to 3 lb. / acre	Soil Drench Uses: Field Mix 0.5 lb. to 3 lb. of Serenade MAX in appropriate amount of water per acre. Use higher application rates under conditions of heavy disease pressure. Apply finished mixture at a rate to thoroughly soak the growing media through the root zone (1 pint finished mixture / sq. ft for each 3 inches of soil depth) as a drench or directed spray using hand held, mechanical or motorized spray equipment, or as a chemigation drench or directed spray using applicable sprinkler or drip irrigation systems. Begin applications at planting, during or after seeding, during or after transplanting and at any stage of plant growth. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle. Serenade MAX can be mixed with chemical fungicides registered for soil applications. In-Furrow Applications: For in-furrow applications, apply Serenade MAX as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Use the higher rates when the weather conditions are expected to be conducive for disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. See in-furrow application table for rates based on row width.
Cucurbits Cucumber Cantaloupe Melon Muskmelon Squash Watermelon and other cucurbit crops	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp.		
Fruiting Vegetables Pepper Tomato Eggplant Ground Cherry Tomatillo Okra and other fruiting vegetables	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp.	In- furrow 0.6-3.3 oz / 1000 row feet	

Application Rates of Serenade MAX for Soil Uses in Field for Soilborne/Seedling Disease Control

Crops	Disease	Rate	Application Instructions In-furrow
<p>Legumes/ Vegetables (succulent and dried beans and peas)</p> <p>Bean Green beans Snap beans Shell beans Soybeans Dry Beans Garbanzo beans Lima beans Peas Chick peas Split peas Lentils and other legume / vegetable crops including those grown for seed production</p>	<p><i>Rhizoctonia</i> spp. <i>Pythium</i> spp.</p>	<p>In- furrow 0.6-3.3 oz / 1000 row feet</p>	<p>In-Furrow Applications:</p> <p>For in-furrow applications, apply Serenade MAX as an in-furrow spray in 5-15 gallons of water at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Use the higher rates when the weather conditions are expected to be conducive for disease development, if the field has a history of disease problems, or if minimum/low till programs are in place.</p> <p>See in-furrow application table for rates based on row width.</p>

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