

SERENADE® SOIL

EPA Reg. No. 69592-12

SUPPLEMENTAL LABELING

For Use on Cucurbit Vegetables, Fruiting Vegetables, Root and Tuber Vegetables in California only.

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.
- This labeling, which includes revised application instructions not previously printed on the container label, must be in the possession of the user at the time of pesticide application.
- Read the label affixed to the SERENADE SOIL container before applying.
- Use of SERENADE SOIL according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the SERENADE SOIL container.
- For the specified crops, this labeling supersedes the container label bearing AgraQuest's label code number AQ1334-001. This supplemental label is intended for use in California only.
- Refer to the container label for information regarding integrated pest management, use rate determination, preharvest interval, application and mixing, chemigation, storage and disposal, and conditions for sale and warranty.

FOR USE AS A SOIL TREATMENT ON SELECT AGRICULTURAL FIELD CROPS

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

SERENADE SOIL is a broad spectrum biofungicide for the prevention, suppression and control of soil borne diseases on a wide range of vegetables. SERENADE SOIL enhances germination and plant growth by suppressing soil diseases, such as those caused by *Rhizoctonia*, *Pythium*, *Fusarium*, *Verticillium* and *Phytophthora*. See the application tables for specific information.

Application Rates of SERENADE SOIL for Soil Uses in Field for Soil Borne/Seedling Disease Control

Crops	Disease	Rate (qt/acre)	Application Instructions
Cucurbit Vegetables Cucumber Cantaloupe Melon Muskmelon Squash Watermelon and other cucurbit vegetables	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Phytophthora</i> spp.	2 – 6	All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications: Mix 2 qt (64 fl oz) to 6 qt (192 fl oz) of SERENADE SOIL in the appropriate amount of water per acre. Use higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE SOIL can be mixed with chemical fungicides registered for soil applications. Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, 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. Shanked-In and Injected Applications: SERENADE SOIL can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients. In-Furrow Applications: For in-furrow applications, apply SERENADE SOIL as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered. Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil 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. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.
Fruiting Vegetables Pepper Tomato Eggplant Ground Cherry Tomatillo Okra and other fruiting vegetables			



Crops	Disease	Rate (qt/acre)	Application Instructions
Root and Tuber Vegetables Carrot Potato Sweet Potato Cassava Beets Ginger Horseradish Radish Ginseng Turnip and other root and tuber vegetables (including those grown for seed production)	<i>Rhizoctonia</i> spp. <i>Pythium</i> spp. <i>Fusarium</i> spp. <i>Phytophthora</i> spp.	2 – 6	<p>All Soil Surface (Drench), Shanked-In, Injected and In-Furrow Applications:</p> <p>Mix 2 qt (64 fl oz) to 6 qt (192 fl oz) of SERENADE SOIL in the appropriate amount of water per acre. Use higher application rates when the weather conditions are expected to be conducive to disease development, if the field has a history of disease problems, or if minimum/low till programs are in place. SERENADE SOIL can be mixed with chemical fungicides registered for soil applications.</p> <p>Soil Surface (Drench) Applications At Planting: Use at planting, seeding or transplant. Apply finished spray mixture, at a rate to thoroughly soak the growing media through the root zone, 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.</p> <p>Shanked-In and Injected Applications: SERENADE SOIL can be shanked-in or injected into the soil prior to-, at-, or post-planting/transplanting of crops alone or with most types of liquid nutrients.</p> <p>In-Furrow Applications: For in-furrow applications, apply SERENADE SOIL as an in-furrow spray in the appropriate amount of water per acre for the crop at planting. Mount the spray nozzle so the spray is directed in the furrow just before the seeds are covered.</p> <p>Soil Surface (Drench) Applications At Any Stage of Growth: Apply the finished spray mixture to the surface of the soil 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. When applying as a spray (e.g., via hydraulic nozzles at low volumes), it is important to irrigate to move the material into the seed, root or transplant zone. Normal operation of overhead sprinklers and drip irrigation systems are sufficient for effective applications. Optimal performance is obtained with preventative treatments repeated every 21 to 28 days throughout the growing cycle.</p>

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