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New York State Department
of Environmental Conservation
Division of Materials Management
Pesticide Product Registration

Doc ID: 545990

SCP 1093A-S1 0316

GROUP 11 FUNGICIDE

Heritage[®] Fungicide

This supplemental label expires on March 31, 2019 and must not be used or distributed after this date.

Active Ingredient:

Azoxystrobin: methyl (<i>E</i>)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*	50%
Other Ingredients:	50%
Total:	100%

Heritage Fungicide is a water-dispersible granule (WG) containing 0.5 lb azoxystrobin per lb product.

*IUPAC

KEEP OUT OF REACH OF CHILDREN.

CAUTION

EPA Reg. No. 100-1093

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed. Before using Heritage Fungicide as permitted according to this supplemental label, read and follow all applicable directions, restrictions, and precautions on the EPA-registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and/or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.



DIRECTIONS FOR USE

DIRECTIONS FOR ORNAMENTALS

VEGETABLE AND HERB PLANTS

Apply to vegetable and herb plants grown for transplanting.

TABLE 1: Specific Use Directions for Asparagus Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft	Use Rate oz product/ 5,000 sq ft	Remarks
Asparagus	Stemphyllium purple spot (<i>Stemphyllium vesicarium</i>)	0.075-0.18	0.375-0.9	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production on a 7- to 14-day schedule, following the resistance management guidelines. Applications may be made by foliar sprays, including chemigation. An adjuvant may be added at recommended rates. Use a minimum of 10 gallons of water per acre.</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
 - Do not apply within 100 days of harvest (100-day PHI).
 - A use rate of 0.18 oz product/1,000 sq ft is equal to 0.25 lb ai/A.
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TABLE 2: Specific Use Directions for Brassica Head and Stem Subgroup Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
<p>Brassica Head and stem subgroup</p> <p>Broccoli Chinese broccoli [gai lon] Brussels sprouts Cabbage Chinese cabbage [napa] Chinese mustard cabbage [gai choy] Cauliflower Cavalo broccolo Kohlrabi</p> <p>including all cultivars and/or hybrids of these</p>	<p>Alternaria leaf spot (<i>Alternaria</i> spp.) Downy mildew (<i>Peronospora parasitica</i>) Pin rot (<i>Alternaria</i> spp.)</p>	<p>0.08-0.18 (0.1-0.25)</p>	<p>0.4-0.9</p>	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production on a 7- to 14-day schedule, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates. Use a minimum of 10 gallons of water per acre.</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).

TABLE 3: Specific Use Directions for Brassica Leafy Greens Subgroup Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
<p>Brassica Leafy greens subgroup</p> <p>Broccoli raab Cabbage, Chinese Collards Kale Mizuna Mustard greens Mustard spinach Rape greens</p> <p>including all cultivars and/or hybrids of these</p>	<p>Black spot (<i>Alternaria</i> spp.) Cercospora leaf spot (<i>Cercospora</i> spp.) White rust (<i>Albugo candida</i>)</p>	<p>0.08-0.18 (0.1-0.25)</p>	<p>0.4-0.9</p>	<p>Resistance Management: Follow the resistance management guidelines in the Resistance Management section. Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production on a 7- to 14-day schedule, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates. Use a minimum of 10 gallons of water per acre.</p>

Specific Use Restrictions:

- Do not apply more than 0.75 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).

TABLE 4: Specific Use Directions for Bulb Vegetable Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz. product/ 5,000 sq ft	Remarks
Bulb Vegetables Garlic Leek Onion, bulb Onion, green Welsh onion Shallot	Foliar Diseases Cladosporium leaf blotch <i>(Cladosporium allii)</i> Purple blotch <i>(Alternaria porri)</i> Rust <i>(Puccinia allii)</i> White rot <i>(Sclerotium cepivorum)</i>	0.08-0.15 (0.1-0.20)	0.4-0.75	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: For downy mildew, make preventative applications on a 5- to 7-day schedule. For all other diseases, Heritage Fungicide applications should begin prior to disease development and continue throughout plant production every 7-14 days, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates.</p> <p>Mixtures of Heritage Fungicide with insecticides and silicone adjuvants should be tested for crop safety before application to the crop.</p>
	Botrytis leaf blight <i>(Botrytis aclada)</i> Downy mildew <i>(Peronospora destructor)</i>	0.11-0.18 (0.15-0.25)	0.55-0.9	

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).

TABLE 5: Specific Use Directions for Celery Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
Celery	<p>Early blight (<i>Cercospora apii</i>) Late blight (<i>Septoria apicola</i>)</p> <p>For additional diseases, see Leafy Vegetables.</p>	0.11-0.18 (0.15-0.25)	0.55-0.9	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production every 7-14 days, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates.</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0 day PHI).

TABLE 6: Specific Use Directions for Cucurbit Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
<p>Cucurbits</p> <p>Cantaloupe Chayote Chinese-waxgourd Cucumber Gourds Honeydew Melons <i>Momordica</i> spp. (bitter melon, balsam apple) Muskmelon Watermelon Pumpkin Squash Zucchini</p> <p>including cultivars and/or hybrids of these</p>	<p>Anthracnose (<i>Colletotrichum lagenarium</i>) Belly Rot (<i>Rhizoctonia solani</i>) Downy Mildew (<i>Pseudoperonospora cubensis</i>) Gummy Stem Blight (<i>Didymella bryoniae</i>) Leaf spots (<i>Alternaria</i> spp., <i>Cercospora</i> spp.) Myrothecium canker (<i>Myrothecium roridum</i>) Plectosporium blight (<i>Plectosporium tabacinum</i>) Powdery Mildew (<i>Sphaerotheca fuliginea</i>, <i>Erysiphe cichoracearum</i>) Ulocladium leaf spot (<i>Ulocladium cucurbitae</i>)</p>	<p>0.08-0.18 (0.10-0.25)</p>	<p>0.4-0.9</p>	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11. Do not make more than four (4) foliar applications of Heritage Fungicide or other Group 11 fungicides per crop per acre per year.</p> <p>Application Directions: For both downy and powdery mildew, make preventative applications on a 5- to 7-day schedule. For belly rot control, the first application should be made at the 1- to 3-leaf crop stage with a second application just prior to vine tip over or 10-14 days later, whichever occurs first. For all other diseases, Heritage Fungicide applications should begin prior to disease development and continue throughout plant production every 7-14 days, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays, including chemigation.</p> <p>An adjuvant may be added at recommended rates. However, do not tank-mix Heritage Fungicide with COC, MSO or silicon adjuvants.</p> <p>Do not tank-mix Heritage Fungicide with Malathion, Kelthane[®], Thiodan[®], Phaser[®], Lannate[®], Lorsban[®], M-Pede[®] or Botran[®].</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- Do not apply within 1 day of harvest (1-day PHI).

TABLE 7: Specific Use Directions for Herb and Spice Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
<p>Herbs & Spices (except basil and black pepper) Allspice; Angelica; Anise (seed); Anise, star; Annatto; Balm; Borage; Burnet; Camomile; Caper (buds); Caraway; Caraway, black; Cardamom; Cassia (buds); Catnip; Celery seed; Chervil (dried); Chive; Chive, Chinese; Cinnamon; Clary; Clove (buds); Coriander (cilantro or Chinese parsley) (leaf); Coriander (seed); Costmary; Culantro (leaf and seed); Cumin; Curry (leaf); Dill (seed); Dillweed; Fennel, common; Fennel, Florence (seed); Fenugreek; Grains of paradise; Horehound; Hyssop; Juniper (berry); Lavender; Lemongrass; Lovage (leaf and seed); Mace; Marigold; Marjoram; Mustard (seed), Nasturtium; Nutmeg; Parsley (dried); Pennyroyal; Pepper, white; Poppy seed; Rosemary; Rue; Saffron; Sage; Savory, summer and winter; Sweet bay; Tansy; Tarragon; Thyme; Vanilla; Wintergreen; Woodruff; Wormwood</p>	<p>Alternaria leafspot (<i>Alternaria</i> spp.) Corynespora blight (<i>Corynespora</i> <i>cassicola</i>) Downy mildew (except Basil) (<i>Plasmopara</i> spp., <i>Peronospora</i> spp.) Dill blight (<i>Cercosporidium</i> <i>punctum</i>) Phoma blight (<i>Passalora puncta</i>) Powdery mildew (<i>Erysiphe</i> spp., <i>Sphaerotheca</i> spp.)</p>	<p>0.08-0.18 (0.1-0.25)</p>	<p>0.4-0.9</p>	<p>Resistance Management: Do not apply more than two sequential applications of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin at the onset of disease development and continue throughout plant production on a 7- day schedule, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays. An adjuvant may be added at recommended rates. Use a minimum of 30 gallons of water per acre.</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).
- Do not apply by aerial application.

TABLE 8: Specific Use Directions for Basil Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
Basil	Downy mildew (<i>Peronospora belbahrii</i>)	0.18 (0.25)	0.9	<p>Plug Production*: Apply to emerged plants in plug production trays prior to disease development. Apply uniformly to foliage using a minimum of 3.4 gallons of water/5,000 sq ft (30 gallons/A). Make no more than one application during the plug production phase. Follow the Heritage Fungicide application with alternative chemistries on a weekly schedule, implementing a preventative integrated disease management program.</p> <p>Finish Production**: Apply to plants following transplant of plugs to trays, pots or containers in which plants are grown to finish. Apply uniformly to foliage using a minimum of 3.4 gallons of water/5,000 sq ft (30 gallons/A). Make no more than one application during the finish production phase. Follow the Heritage Fungicide application with alternative chemistries on a weekly schedule, implementing a preventative integrated disease management program. For specific resistance management programs, contact your state Extension specialist.</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).

* Plug production refers to the production of a young plant grown from seed in a multi-celled germination tray for a short period of time. After growing to a desired size, the plug is then transplanted in a larger pot or container to grow to a larger size suitable to sell.

** Finish production refers to the production of a finished plant grown to a desired size suitable to sell in a garden center, large format retailer, or other retailers selling plants to consumers for home and garden plantings.

TABLE 9: Specific Use Directions for Leafy Vegetable Plants (except Brassica)

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
<p>Leafy Vegetables (except Brassica)</p> <p>Amaranth Arugula Cardoon Celery Celtuce Chervil Chrysanthemum, edible Coriander, leaves (Cilantro) Corn salad Cress Dandelion Dock Endive Fennel Lettuce, head and leaf Orach Parsley Purslane Radicchio Rhubarb Spinach Swiss Chard</p> <p>including cultivars and/or hybrids of these</p>	<p>Foliar Diseases Alternaria leaf spot (<i>Alternaria sonchi</i>, <i>A. spp.</i>) Anthracnose (<i>Microdochium panattonianum</i>, <i>Colletotrichum dematium</i>) Cercospora leaf spot (<i>Cercospora spp.</i>) Septoria leaf spot (<i>Septoria petroselini</i>) White rust (<i>Albugo occidentalis</i>)</p>	<p>0.08-0.18 (0.1-0.25)</p>	<p>0.4-0.9</p>	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: For both downy and powdery mildew, make preventative applications on a 5- to 7-day schedule. For all other diseases, Heritage Fungicide applications should begin prior to disease development and continue throughout plant production every 7-14 days following the resistance management guidelines.</p>
	<p>Downy mildew (<i>Bremia lactucae</i>) Powdery mildew (<i>Erysiphe cichoracearum</i>)</p>	<p>0.15-0.18 (0.2-0.25)</p>	<p>0.75-0.9</p>	<p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates.</p> <p>ATTENTION: Applications of Heritage Fungicide to leafy vegetable foliage have contributed to phytotoxicity under certain circumstances. Proceed with caution with regard to tank mixes and adjuvants when treating all leafy vegetables with Heritage Fungicide. Heritage Fungicide must not be tank-mixed on leaf lettuce with Pounce® WP, Aliette®, Warrior® with Zeon™ Technology, or another product that may increase the penetration of Heritage Fungicide into the leaf surface, such as, but not limited to, silicone wetters.</p>

Specific Use Restrictions:

- Do not apply more than 1.5 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).

TABLE 10: Specific Use Directions for Mint Plants

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
Mint (Fresh)	Powdery mildew (<i>Erysiphe</i> spp.) Rust (<i>Puccinia menthae</i>)	0.08-0.18 (0.1-0.25)	0.4-0.9	<p>Resistance Management: Do not apply more than two sequential applications of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production on a 7- to 10-day schedule, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates.</p>

Specific Use Restrictions:

- Do not apply more than 0.75 lb ai/A per season of azoxystrobin-containing products.
- For fresh mint, may be applied the day of harvest (0-day PHI).

TABLE 11: Specific Use Directions for Pepper and Other Fruiting Vegetable Plants (except Cucurbits)

Crop	Target Diseases	Use Rate oz product/ 1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
<p>Peppers and other Fruiting Vegetables (except cucurbits) Bell Pepper Non-Bell Pepper Sweet Non-Bell Pepper Eggplant Groundcherry Okra Pepino Tomatillo</p> <p>See specific directions for use for Tomatoes.</p>	<p>Anthracnose (<i>Colletotrichum</i> spp.) Cercospora leaf spot (<i>Cercospora capsici</i>) Downy mildew (<i>Peronospora tabacini</i>) Powdery mildew (<i>Sphaerotheca</i> spp.)</p>	<p>0.08-0.18 (0.1-0.25)</p>	<p>0.4-0.9</p>	<p>Resistance Management: Follow the resistance management guidelines in the Resistance Management section. Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production on a 7- to 14-day schedule, following the resistance management guidelines.</p> <p>Applications may be made by foliar sprays including chemigation. An adjuvant may be added at recommended rates.</p>

Specific Use Restrictions:

- Do not apply more than 1.0 lb ai/A per season of azoxystrobin-containing products.
- May be applied the day of harvest (0-day PHI).

TABLE 12: Specific Use Directions for Tomato Plants

Crop	Target Diseases	Use Rate oz product/1,000 sq ft (lb ai/A)	Use Rate oz product/ 5,000 sq ft	Remarks
Tomatoes	Anthracnose (<i>Colletotrichum coccodes</i>) Black Mold (<i>Alternaria alternata</i>) Buckeye Rot (<i>Phytophthora</i> spp.) Early Blight (<i>Alternaria solani</i>) Powdery Mildew (<i>Oidiopsis sicula</i>) Septoria Leaf spot (<i>Septoria lycopersici</i>) Target spot (<i>Corynespora cassicola</i>)	0.024-0.08 (0.08-0.10)	0.12-0.4	<p>Resistance Management: Do not apply more than one application of Heritage Fungicide or other Group 11 fungicides before alternation with a fungicide that is not in Group 11.</p> <p>Application Directions: Heritage Fungicide applications should begin prior to disease development and continue throughout plant production following the resistance management guidelines. For late blight, Heritage Fungicide should be applied at 5- to 7-day intervals. For all other tomato diseases, Heritage Fungicide should be applied on 7- to 21-day intervals.</p>
	Late Blight (<i>Phytophthora infestans</i>)	0.08 (0.10)	0.4	<p>Applications may be made by foliar sprays including chemigation.</p> <p>Under certain environmental conditions (particularly high temperatures), Heritage Fungicide in combination with high rates of silicone-containing or oil-containing (petroleum or crop) additives or adjuvants may cause injury. Do not exceed 0.125% adjuvant (v/v). Consult a Syngenta representative for more information concerning additives or adjuvants.</p> <p>A tank mixture with Dimethoate may cause crop injury.</p> <p>Do not use adjuvants or tank mix Heritage Fungicide with any emulsifiable concentrate (EC) product.</p>

Specific Use Restrictions:

- Heritage Fungicide should not be applied until 35 days after seeding or 21 days after transplanting plugs to larger pots or containers.
 - Do not apply more than 0.6 lb ai/A per season of azoxystrobin-containing products.
 - May be applied the day of harvest (0-day PHI).
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