

## **CUCURBITS - ANTHRACNOSE, BELLY ROT, ETC.**

### General Information

#### GENERAL INFORMATION

Amistar is a broad spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. Amistar may be applied as a foliar spray in alternating spray programs or in tank mixes with other registered, crop protection products. All applications should be made according to the use directions that follow.

#### GENERAL USE PRECAUTIONS

Do not plant the following crops for a period of 12 months (unless an azoxystrobin product is registered for use on that crop): sorghum, barley, buckwheat, millet, oats, rye, wild rice, non-grass animal feeds (alfalfa, clover), spices, sugarcane, and wheat. A plantback interval (PBI) of 36 days is required for Leafy Vegetables (Except Brassica) group; Brassica, Leafy Greens subgroup; Vegetables, Root subgroup; Vegetable (Tuberous and Corm) subgroup; and Vegetables, Leaves of Root and Tuber group. Azoxystrobin is registered for use on all other rotated crops and all other crops may be planted immediately after the last treatment.

Do not use for disease control in food crops grown in greenhouses.

#### APPLICATION INSTRUCTIONS

Apply Amistar at rates and timings as described in the label.

#### SOILBORNE/SEEDLING DISEASE CONTROL

Amistar can provide control of many soilborne diseases if applied early in the growing season. Specific applications for soilborne diseases include in-furrow applications and banded applications applied over the row, either shortly after plant emergence or during herbicide applications or cultivation. These applications will provide control of pre- or post-emergence damping off and diseases that infect plants at the soil-plant interface.

The use of either type of application depends on the cultural practices in the region.

In some locations, one type of application may provide better disease control than the other, depending on the timing of the disease epidemic. Seedling diseases are generally controlled by in-furrow applications while banded applications are more effective against soilborne diseases that develop later in the season. Consult your local expert to get some guidance regarding application type.

For banded applications, apply Amistar prior to infection as a directed spray to the soil, using single or multiple nozzles, adjusted to provide thorough coverage of the lower stems and the soil surface surrounding the plants. Band width should be limited to 7 inches or less. Apply Amistar at a rate of 0.125-0.25 oz. product (0.10-0.20 oz. a.i.)/1000 row feet (for banded applications on 22-inch rows the maximum application rate is 0.165 oz./1000 row feet). These applications come into contact with the foliage and are counted as foliar applications when considering resistance management. They may be applied during cultivation or hilling operations to provide soil incorporation.

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

#### Limitations, Restrictions, and Exceptions

#### CUCURBITS

Including cultivars and/or hybrids.

**Integrated Pest (Disease) Management:** Amistar should be integrated into an overall disease management strategy that includes selection of varieties with disease tolerance, optimum plant populations, proper fertilization, plant residue management, crop rotation and proper timing and placement of irrigation.

**Resistance Management:** Follow the resistance management guidelines in the Resistance Management Section. Do not apply more than one application of Amistar 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 Amistar or other Group 11 fungicides per crop per acre per year.

Application Directions: For both downy and powdery mildew, make applications on a 5-7 day schedule. For belly rot control, the first application should be made at the 1-3 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, Amistar applications should begin prior to disease development and continue throughout the season every 7-14 days following the resistance management guidelines. Applications may be made by ground, air or chemigation. An adjuvant may be added at recommended rate.

Amistar should not be tank mixed with COC, MSO or silicon adjuvants. Amistar should not be tank mixed with Malathion, Kelthane, Thiodan, Phaser, Lannate, Lorsban, M-Pede or Botran.

#### Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

#### Pre-Harvest Interval

1 day

#### Rates

[field rates 0](#)

[field rates 1](#)

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#### Restricted Entry Interval

4 hours

#### Timings

[Prior to disease development and continue throughout the season every 7-14 days.](#)

[Belly rot: at the 1-3 leaf crop stage with a second application just prior to vine tip over or 10-14 days later.](#)