

# **CONTROL OF BASIL DOWNY MILDEW (PERONOSPORA BELBAHRII) IN BASIL - MICHIGAN**

## General Information

### USE INFORMATION

Subdue MAXX is a systemic fungicide for use on ornamentals; turf; nonbearing citrus grown in nurseries and as landscape plantings; conifers grown in nurseries and plantations, including Christmas trees; and nonbearing deciduous fruit and nut trees grown in nurseries.

Restriction: 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.

Resistance Management Recommendations: Subdue MAXX is a systemic fungicide having a specific mode of action. Use of Subdue MAXX could result in development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance and ways to control any possible Subdue MAXX insensitive strains of fungi which may occur.

The active ingredient in Subdue MAXX is mefenoxam, a Group 4 fungicide (phenylamide). Some disease pathogens are known to have developed resistance to fungicides used repeatedly for their control. To prevent the development of insensitive strains of fungi to mefenoxam, apply Subdue MAXX in an alternation or tank-mix program with fungicides that are not in Group 4 and to which pathogen resistance has not developed.

Applications targeted for downy mildew diseases should always be in a tank mixture with a non-Group 4 fungicide.

For foliar applications to ornamentals and conifers, do not make more than one (1) application before alternating with a non-Group 4 fungicide for sequential foliar applications. For all other applications, do not make more than two (2) sequential

applications of Subdue MAXX before alternating with a non-Group 4 fungicide.

An example of a sound resistance management program would include two (2) Subdue MAXX applications (one could be a foliar application) followed by two (2) non-Group 4 fungicide applications.

## APPLICATION PROCEDURES

Subdue MAXX may be applied through traditional spray equipment or through irrigation systems as a soil drench, soil surface (broadcast or banded), or as a stem and foliar spray. Subdue MAXX may also be incorporated into a pre-potting growing media for subsequent seeding or transplanting of ornamentals.

### Application Through Irrigation Systems

Subdue MAXX alone or in tank mixture with other pesticides registered for application through irrigation systems may be applied in irrigation water at rates recommended on the label. This product may be applied through micro sprinkler or drip irrigation systems. Do not apply this product through any other type of irrigation system.

### Limitations, Restrictions, and Exceptions

#### Control of Basil Downy Mildew (*Peronospora belbahrii*) in Basil Transplants Grown for Re-sale to Consumers

##### Plug Production\*

Apply 3.75 oz/5000 sq. ft. (32 oz/A) as a soil surface spray to plug production trays after seeding and before seedling emergence in sufficient water to provide uniform coverage. Irrigate lightly after application to move the product into growing media profile, but not to the point of leaching. Make no more than one application during plug production phase. Follow the Subdue Maxx application with alternative chemistries on a weekly schedule implementing a preventative integrated disease management program.

##### Specific Use Restrictions

- Do not exceed the equivalent of 2.0 lb ai/A per crop of soil-applied mefenoxam containing products.

\* 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.

Method

[Soil Surface Spray](#)

Pre-Harvest Interval

21 days

Rates

[field\\_rates 0](#)

[field\\_rates 1](#)

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Restricted Entry Interval

48 hours

Exception: If the product is soil injected, soil-incorporated, or applied by soil drenching, 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:

- There is no restricted-entry interval (REI) requirement following soil injection, soil incorporated, or a soil drench application to ornamentals.

Timings

[After seeding and before seedling emergence.](#)