

Stature[®] SC Fungicide

 **BASF**

The Chemical Company

Better Results, No Resistance

Stature[®] SC fungicide is the new flowable formulation of dimethomorph, the active ingredient with proven performance for preventive control of *Phytophthora* and downy mildew diseases. When used as directed, **Stature SC**:

- Offers a novel mode of action and a distinctly different chemical class of fungicides; it is a Group 40 fungicide.
- Has activity (through the active ingredient dimethomorph) against *Phytophthora* spp. and members of the Peronosporaceae (downy mildews). **Stature SC** is not active on *Pythium* spp.
- Can be applied as a spray, drench or through chemigation. Efficacy has been demonstrated on ornamentals grown in either soil, artificial substrates such as rockwool, or hydroponics.

Stature SC goes into solution faster as a liquid suspension and is packaged as a 25 fl. oz. container, a size that fits all ornamental operations.

Note: No more than 2 applications can be applied consecutively on a plant unless tank-mixed.

Diseases Controlled

Used as a protectant, **Stature SC** provides excellent control of the following crown and root rots:

- *Phytophthora cinnamomi*
- *Phytophthora dreschleri*
- *Phytophthora nicotianae/parasitica*
- *Phytophthora cryptogea*

Stature SC is a top performer in trials for control of the following stem and foliar blights¹:

- *Phytophthora nicotianae/parasitica*, the causal agent of aerial blight
- *Phytophthora ramorum*, the causal agent of sudden oak death

The active ingredient in **Stature SC** is an industry standard in the control and prevention of downy mildew diseases caused by¹:

- *Bremia*
- *Peronospora*
- *Plasmopara*
- *Pseudoperonospora* spp.



Use Sites:

Greenhouse, field and container nurseries, shadehouses, lathhouses, including conifer seedling nurseries

Formulation: 4.8 lb./gal. SC (soluble concentrate liquid)

Packaging: 25 fl. oz. (6 x 25 case)

Active Ingredient: Dimethomorph

Chemical Family: Cinnamic Acid Derivative (Group 40 fungicide)

Mode of Action: Controls all active stages in the fungal life cycle except zoospore formation/motility. Antisporulant activity stops disease spread. Dimethomorph works on the fungal cell wall.

Behavior in Plant: Penetrant with translaminar and locally systemic activity following a foliar application. When used as a soil drench, **Stature SC** protects plant roots and crown as a translaminar, locally systemic fungicide.

Use Rates: 6.12 to 12.25* oz. per 100 gals. controls downy mildew/Aerial *Phytophthora*; 3.06 to 6.12** and 6.12 to 12.25[†] oz. per 50 to 100 gals. is effective against root, crown and stem diseases caused by *Phytophthora* spp.; 6.12 oz. per 100 gals. for hydroponics and chemigation; non-circulating is controlled at 3.5 to 8.5 oz. per pot

Signal Word: CAUTION

REI: 12 hours

PPE: Long-sleeved shirt and long pants; chemical-resistant gloves; shoes and socks

* Greenhouse or container or field-grown ornamentals

** Greenhouse-grown herbaceous annuals and perennials

[†] Woody ornamentals in field or containers

 **Stature[®] SC**
fungicide

Keys to Success

Use **Stature SC** as a preventive application or at first sign of disease.

For crown- and root-rotting *Phytophthoras*: Use a 'srench,' or heavy spray, to crown with thorough wetting of surface (of pot or soil), or drench, directing all of the application into the soil surrounding the roots. When making drench applications never apply to dry soils or substrates, and do not irrigate or apply additional water to pots/plants for several hours to allow for fungicide uptake.

For *P. nicotianae/parasitica**: Best control of aerial blight occurs if combined with mancozeb or when rotated in 14-day interval with **Insignia® fungicide** or other fungicides that provide good response on this disease (**see chart**).

For sudden oak death: Stature SC will limit the number of infection sites and stop sporulation of *P. ramorum** when applied prior to infection.

For downy mildew control: Apply **Stature SC** on 7- to 14-day rotation and make no more than two consecutive applications, then switch to another fungicide with a different mode of action such as **Pageant™ fungicide** or **Insignia**. Combine with mancozeb when applied curatively under disease epidemic. Spray interval should not exceed 14 days when conditions are present for disease. Follow resistance management guidelines found on the label.

Control Symptoms

Antisporulant activity stops disease spread. Translaminar activity results in excellent activity on downy mildew pathogens that reside on underside of leaf surfaces.

Ornamental Plant Safety

Stature SC has shown excellent plant safety on a number of ornamental species. Refer to the product label for a complete list of evaluated species. Users should conduct small-scale tests under local growing conditions prior to the use of the product in a wide-scale operation.

Development of fungicide resistance is of particular concern for foliar pathogens such as downy mildews and some Phytophthora species. Dimethomorph, the active ingredient, has shown no cross resistance with metalaxyl and menfenoxyam insensitive isolates in field or laboratory assays. Refer to label for more information on resistance management and consecutive spray applications.

Control of Different Phytophthora Species by Product

Product	<i>P. cinnamomi</i>	<i>P. dreschleri</i>	<i>P. nicotianae</i>	<i>P. cryptogea</i>	<i>P. ramorum</i>	<i>P. syringae</i>
Stature	G	G	G	G-F	G	P-F
Insignia	G	G-F	G-F	P	G-F	P
FenStop	G	P	G	G	G	Not tested
Phosphite	G	F-P	G	P	F-P	G (Not Aliette)
Segway	G	P	G	G	G	P
Subdue MAXX	G	G	G	G	G	Not tested

Ratings provided by comparison of summarized trial results by IR-4, 2003-2007 and BASF Field Trials, 2006-2007. Data represents results from both **Stature DM** and **SC** formulations evaluated.

G = Product provided consistently the best control on that disease across trials

F = Fair control and sometimes not the best control across all trials

P = Poor control and this product should not be used to control this disease

Partial data shown.

***Stature SC** is a protectant and is best used as a preventive application. If curative applications are needed for control of stem and foliar blights or for the curative control of downy mildew, it is best to combine **Stature SC** with a contact fungicide such as chlorothalonil or mancozeb.

*The use of a penetrator oil surfactant can be combined with **Stature SC** for applications to woody plants when targeting stem and crown *Phytophthoras*.

Note: Some product labels may only address the group of diseases as *Phytophthora* foliar, crown or root rots.

Always read and follow label directions.

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