

IMPATIENS Disease Prevention Schedule Including Downy Mildew



Impatiens can develop various foliar, root and stem diseases during greenhouse production that can negatively impact plant quality and sales. Disease prevention begins with implementing appropriate cultural practices during production. Growers should inspect incoming plant material upon arrival for any signs of disease problems. The growing environment should include moderate humidity and provide good air

movement. Irrigate early in the day to avoid foliage wetness for an extended time. Practicing these basic production strategies can help reduce the incidence of foliar diseases, including downy mildew. Remove any remaining plants from the production area after the main crop has been shipped. Do not allow volunteer plants to grow in or around the production area as these plants may harbor pathogens that can adversely affect the next impatiens crop.

Disease prevention begins with implementing appropriate cultural practices during production.

Syngenta has developed the following disease control program based on the experience of researchers in the United States and Europe. The rotational program is designed to protect impatiens from fungal diseases, including downy mildew that can impact production. Under conditions with low disease pressure, growers may be able to make foliar applications every other week as long as the drench schedule is followed. However, extended protection of impatiens in the landscape has been observed when the weekly rotation is followed. Under severe disease pressure, the addition of a labeled mancozeb product can be included with the suggested spray treatments for disease protection.

Crop	Week (post-transplant)	Application	FRAC #	Fungicide (example)	Target Diseases
4-inch pot or smaller	1	Recommended treatment (drench)	4 (+33)	Subdue Maxx® fungicide <i>Potassium phosphite optional</i>	Pythium, Phytophthora, Downy Mildew
	2	Recommended treatment (spray)	M	Mancozeb	Downy Mildew, Leafspots, <i>Botrytis</i>
	3	Recommended treatment (spray)	40 (+M)	Micora™ fungicide <i>Mancozeb optional</i>	Downy Mildew, Leafspots, <i>Botrytis</i>
	4	Recommended treatment (spray)	11 (+M)	Heritage® fungicide <i>Mancozeb optional</i>	Downy Mildew, Leafspots, <i>Botrytis</i>
	(additional week if needed)	Recommended treatment (spray)	40 (+M)	Micora <i>Mancozeb optional</i>	Downy Mildew, Leafspots, <i>Botrytis</i>
	(final week)	Recommended treatment (drench)	33 + 43	Potassium phosphite + Adorn® fungicide	Downy Mildew, Pythium, Phytophthora
6-inch pot	7	Recommended treatment (spray)	40 (+M)	Micora <i>Mancozeb optional</i>	Downy Mildew, Leafspots, <i>Botrytis</i>
	8	Recommended treatment (spray)	11 (+M)	Heritage <i>Mancozeb optional</i>	Downy Mildew, Leafspots, <i>Botrytis</i>
	(final week)	Recommended treatment (drench)	4 + 33 or 4 + 43	Subdue Maxx + Potassium phosphite OR Subdue Maxx + Adorn	Downy Mildew, Pythium, Phytophthora
Larger containers	9	Recommended treatment (spray)	40	Micora	Downy Mildew
	10	Recommended treatment (spray)	11	Heritage	Downy Mildew, Leafspots, <i>Botrytis</i>
	(final week)	Recommended treatment (drench)	4 + 33	Subdue Maxx + Potassium phosphite	Downy Mildew, Pythium, Phytophthora

Visit <http://sfsservices.syngenta.com/WhitePaperList.aspx> for more information on impatiens downy mildew.



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