

## TOMATO DISEASES (Home Garden)

Sherrie Smith

Disease	Product	Active Ingredient	FRAC Code	Rate/Acre	Re-entry Interval	Comments
Bacterial Leaf and Fruit Spots	Bio Advanced Natria Disease Control**	<i>Bacillus subtilis</i>	44	RTU*	0	For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
	Bonide Copper Dust**	copper hydroxide	M1	2 1/4 - 6 oz/gal	0	Begin to apply in plant bed as soon as plants are established. Repeat at 4 - 14 day intervals throughout growing season.
	Bonide Liquid Copper Fungicide Concentrate**	copper sulfate	M1	0.5 - 2 oz/gal	0	Also available RTU.*
	Natural Guard Copper Soap RTU*	copper soap	M1	RTU*	Label	Apply at first evidence of disease.
Fungal Leaf and Fruit Spots including Early Blight and Septoria Leaf Spot	Serenade**	<i>Bacillus subtilis</i>	44	2 - 4 fl oz/gal	0	Spray plants to runoff, covering both top and bottom surface of foliage to ensure thorough coverage.
	Natria Disease Control**	<i>Bacillus subtilis</i>	44	RTU*	0	Approved for organic use.
	Ortho Garden Disease Control (Daconil)	chlorothalonil	M5	1 tbs/gal	0	Apply every 7 - 14 days when diseases are threatening.
	Ferti-lome Liquid Fungicide	chlorothalonil	M5	2 tbs/gal	0	Apply at first evidence of disease, then 7 - 10 days.
	Hi-Yield Vegetable, Flower, Fruit and Ornamental Fungicide	chlorothalonil	M5	6 tsp per application, 42 tsp per year	0	Begin applications when dew or rain occur and disease threatens. Use the highest rate and shortest interval specified when disease conditions are severe.
	Bonide Fung-onil Multipurpose Fungicide Concentrate	chlorothalonil	M5	1 - 1 1/2 tbs/gal	0	Apply at first evidence of disease.
	Bonide Fung-onil RTU	chlorothalonil	M5	RTU*	0	Begin when conditions favor disease.
	Garden Tech Daconil Fungicide Concentrate	chlorothalonil	M5	See label.	0	Apply at first evidence of disease.
	Monterey Fruit Tree, Vegetable and Ornamental Fungicide	chlorothalonil	M5	2 1/2 tsp/gal for 200 sq ft	0	Begin applications when dew or rain occur and disease threatens. Use the highest rate and shortest interval specified when disease conditions are severe.
	Bonide Liquid Copper Fungicide Concentrate**	copper salts	M1	RTU*	1	Approved for organic use.

(continued)

**TOMATO DISEASES (Home Garden) – continued**

<b>Disease</b>	<b>Product</b>	<b>Active Ingredient</b>	<b>FRAC Code</b>	<b>Rate/Acre</b>	<b>Re-entry Interval</b>	<b>Comments</b>
Fungal Leaf ( <i>cont.</i> ) and Fruit Spots including Early Blight and Septoria Leaf Spot	Bonide Copper Dust**	copper sulfate	M1 + M2	2 1/4 - 6 oz/gal	1	Begin to apply in plant bed as soon as plants are established. Repeat at 4 - 14 day intervals throughout growing season.
	Bonide Mancozeb Flowable w/Zinc	mancozeb	M3	2 - 5 tbs/gal	5	Apply at first evidence of disease.
	Neem (various brands)	neem oil	NC***	RTU* and in concentrate, see individual labels.	0	Use with care on plants with tender tissue. Check for leaf burn in small scale trials prior to use.
	Kaligreen**	potassium bicarbonate	NC***	2 1/2 - 3 lb/A	1	Begin applications at first sign of disease.
	GreenCure **	potassium bicarbonate	NC***	1 - 2 tbs/gal	1	Begin applications at first sign of disease.
	GreenCure EZ**	potassium bicarbonate	NC***	RTU*	1	
	MilStop**	potassium bicarbonate	NC***	2 - 5 lb/A	1	Begin applications at first sign of disease.
	Actinovate® Lawn and Garden** (foliar and Pythium, Phytophthora, Rhizoctonia, Fusarium root rots)	<i>Streptomyces lydicus</i> WYEC 108		1/2 - 2 tsp/2 gal	0	May be used as a foliar spray or root drench. See label.
	Natria Fruit and Vegetable Ready to Use	sulfur + pyrethrins	M2	RTU*	1	For best control apply as a protective spray early in the season before the diseases are noticed. Re-spray every 7 - 10 days or after rain.
	Bonide Tomato and Vegetable Concentrate	sulfur + pyrethrins	M2	5 oz/gal	1	Thoroughly spray all areas of the plant, especially new shoots and the underside of leaves.
Blossom End Rot	Stop-Rot	calcium chloride	Micro-nutrient		0	Apply calcium chloride solution to plants and fruit as soon as symptoms are noticed. Spray in early morning every 7 days for 4 weeks. Thorough coverage is important.
	End Rot Control	calcium chloride	Micro-nutrient		0	Apply calcium chloride solution to plants and fruit as soon as symptoms are noticed. Spray in early morning every 7 days for 4 weeks. Thorough coverage is important.

\* RTU – Ready to use.

\*\* Approved for use in organic crops.

\*\*\* NC – Resistance not known.