

FRUIT TREE DISEASES (Home Garden)

Sherrie Smith

Disease	Product	Active Ingredient	FRAC Code	Rate	Comments
Fire Blight (Apples, Pears)	Serenade**	<i>Bacillus subtilis</i>	44	2 - 4 fl oz/gal	Spray plants to runoff, covering both top and bottom surface of foliage to ensure thorough coverage.
	Agri-Mycin 17	streptomycin sulfate	25	See label.	Do not spray after fruit forms.
	Ferti-lome Fire Blight Spray	streptomycin sulfate	25	1 tbs in 2 1/2 gal of water (equivalent to 100 ppm or 4 oz per 50 gal of water)	Make first spray at the start of blossoming period. Continue spray applications every 3 to 4 days during bloom time. Apply additional sprays every 5 to 7 days after blossom period when weather conditions favor spread of Fire Blight. Do not apply when fruit is visible.
	Firewall 50 WP	streptomycin sulfate	25	8 - 16 oz (0.34 lb - 0.67 lb ai) per acre per application	Do not apply within 50 days of harvest.
Scab, Powdery Mildew, Rust, Sooty Blotch, Flyspeck (Apples, Pears)	Serenade**	<i>Bacillus subtilis</i>	44	2 - 4 fl oz/gal	For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
	Bayer Advanced Natria Disease Control	<i>Bacillus subtilis</i>	44	RTU*	For best results, treat prior to foliar disease development or at the first sign of foliar disease infection.
	Bonide Fruit Tree and Plant Guard Concentrate	boscalid + pyraclostrobin + insecticide	7 + 11	1 PT (16 fl oz) covers up to 12,000 sq ft, 1 QT (32 fl oz) covers up to 24,000 sq ft, 1 GAL covers up to 96,000 sq ft. RTU* also available.	See label for mixing instructions and days to harvest.
	Bonide Fruit Tree Spray	captan + insecticide	M4	1 1/2 - 2 1/2 tbs/gal	See label for complete instructions and days to harvest.
	Hi-Yield Captan 50 WP	captan	M4	2 tbs/gal	See label.
	Gordons Liquid Fruit Tree Spray	captan + insecticide	M4	1 1/2 - 2 1/2 tbs/gal	For peach do not exceed 3 applications per year. Do not apply within 21 days of harvest.
	Monterey Fruit Tree, Vegetable and Ornamental Fungicide	chlorothalonil	M5	3 3/4 tsp/gal for 200 sq ft	For peach leaf curl, apply at leaf fall in late autumn. When conditions favor high disease levels, apply once or twice more in mid to late winter before budswell. See label for other diseases.

(continued)

FRUIT TREE DISEASES (Home Garden) – continued

Disease	Product	Active Ingredient	FRAC Code	Rate	Comments
Scab, Powdery Mildew, Rust, Sooty Blotch, Flyspeck (Apples, Pears) <i>(cont.)</i>	Hi-Yield Vegetable, Flower, Fruit and Ornamental Fungicide	chlorothalonil	M5	10 tsp per application, 50 tsp per year	Stone fruits only.
	Spectracide Immunox Multi-purpose Fungicide for Gardens Spray Concentrate	myclobutanil	3	1/2 - 2/3 fl oz/gal	Reapply every 7 - 10 days so long as disease symptoms persist. See label for days to harvest.
	Bonide Infuse Systemic Fungicide	propiconazole	3	1/2 - 1 tbs/gal	Apply only to non-bearing trees.
	GreenCure**	potassium bicarbonate	NC***	1 - 2 tbs/gal	For best protection, repeat at one to two week intervals until conditions are no longer favorable for disease development. Shorten the interval during rainy weather or during periods of high relative humidity.
	Kaligreen**	potassium bicarbonate	NC***	2.5 - 3 lb/A	Begin application at the first sign of disease.
	Milstop**	potassium bicarbonate	NC***	2 - 5 lb/A	Begin application at the first sign of disease.
	Safer Garden Fungicide for Flowers, Fruit and Vegetables Concentrate	sulfur	M2	See label.	Labeled for apples and pears.
	Bonide Citrus, Fruit and Nut Orchard Spray Concentrate	sulfur + pyrethrins	M2	2.5 - 5 fl oz/gal	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. May be used up to day before harvest.
	Bonide Sulfur Plant Fungicide	sulfur	M2	1 fl oz/gal	7 - 14 days. Complete coverage important. RTU* also available. Organic uses.

* RTU – Ready to use.

** Approved for use in organic crops.

*** NC – Resistance not known.