

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 | 1 1/2 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)

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|--|---|-----------------------|-----------|--|---|
| 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.