

# HortReport

Cooperative Extension Capital Region

A PUBLICATION OF THE CAPITAL REGION HORTICULTURE TEAM

## Pesticide Recommendations for Stone Fruit Trees

This schedule will not provide desirable control of brown rot unless there is Captan in the General Purpose (GP) Product Mix. Always consult the label before making pesticide applications.<sup>a</sup> Labels vary greatly between commercial products of the same material. **It is important to refer to the label for the best timing and application rates when applying pesticides.** Also read the text for information on cultural practices to minimize the application of pesticides. Due to a wide array of various products containing the same active ingredient, for insecticide recommendations, when appropriate, the active ingredient is listed instead of the name of formulated product.

Time to Spray	Suggested Materials	Pests to be Controlled
Dormant - before bud swell	- Copper - <i>plus</i> MS Oil	- Leaf curl - Scales, mites, aphids
Pink - just before blossoms open	- GP Product Mix <i>plus either</i> Captan <i>or</i> Chlorothalonil	- Brown rot, plant bug
Bloom	- Chlorothalonil <i>or</i> Captan	- Brown rot
Petal Fall	- Same Materials as "Pink" <i>or</i> Chlorothalonil <i>or</i> Captan - <i>plus</i> Esfenvalerate <i>plus either</i> Imidacloprid <i>or</i> Malathion	- Brown rot, cherry leaf spot - Oriental fruit moth, plum curculio, aphids, plant bug
Shuck Fall - when most shucks have fallen	- Captan <i>plus</i> Nova <i>plus either</i> - Esfenvalerate <i>or</i> Carbaryl	- Scab, cherry leaf spot, bacterial spot, mildew - Oriental fruit moth, plum curculio, aphids, plant bug
Early June - 14 days after "Shuck Fall"	- Captan <i>plus</i> Nova <i>plus either</i> - Esfenvalerate <i>or</i> Carbaryl	- Scab, cherry leaf spot, bacterial spot, mildew - Oriental fruit moth, plum curculio, aphids, plant bug
Three weeks before harvest	- Captan <i>plus</i> Nova <i>plus</i> - Spinosad <i>plus either</i> Esfenvalerate <i>or</i> Carbaryl	- Brown rot, leaf spot - Leafrollers, thrips, Oriental fruit moth, maggot, Japanese beetle
One week before harvest and during harvest	- Captan	- Brown rot
After harvest - only on cherry trees immediately after harvest	- GP Product Mix <i>or</i> Chlorothalonil <i>plus either</i> - Diazinon <i>or</i> Methoxychlor	- Leaf spot - Slugs, Japanese beetle

<sup>a</sup> Match pesticide efficacy against problem pests before selecting spray material.

Reference:

This handout has been adapted from *Fruit Production for the Home Gardener*, published by Penn State University in 2006.

This publication can also be viewed on-line at <http://ssfruit.cas.psu.edu/default.htm>.

\* \* \*

Penn State encourages persons with disabilities to participate in its programs and activities. If you anticipate needing any type of accommodation or have questions about the physical access provided, contact Penn State Extension, at 334-6271, in advance of your participation or visit.

This publication is available in alternative media upon request.

The Pennsylvania State University is committed to the policy that all persons shall have equal access to programs, facilities, admission, and employment without regard to personal characteristics not related to ability, performance, or qualifications as determined by University policy or by state or federal authorities. It is the policy of the University to maintain an academic and work environment free of discrimination, including harassment. The Pennsylvania State University prohibits discrimination and harassment against any person because of age, ancestry, color, disability or handicap, national origin, race, religious creed, sex, sexual orientation, or veteran status. Discrimination or harassment against faculty, staff, or students will not be tolerated at The Pennsylvania State University. Direct all inquiries regarding the nondiscrimination policy to the Affirmative Action Director, The Pennsylvania State University, 328 Boucke Building, University Park, PA 16802-5901, Tel 814-865-4700/V, 814-863-1150/TTY.

Where trade names appear, no discrimination is intended and no endorsement by Penn State Cooperative Extension is implied.