

Small Fruit Update



Disseminating information for the [Washington Red Raspberry Commission](#) , [Oregon Raspberry & Blackberry Commission](#) and [Oregon Strawberry Commission](#).

July 8, 2003

Yields in the South are significantly down on strawberries, raspberries, Marionberries and blackcaps this year mostly due to weather/temperature extremes.

Two caneberry open houses/field days happen this week:

Wednesday (7/9): OSU Caneberry Open House at the North Willamette Research and Extension Center in Aurora, OR. Topics covered will be alternative production systems, nitrogen fertilization, herbicide trials and caneberry water use along with a look at the breeding trials. The time is 3-5. Call the Station at 503-678-1264 x 0 for directions and/or information.

Thursday (7/10): The WSU Raspberry Field Day at Farm 5 of the Puyallup Research and Extension Station. Dr. Peter Bristow, WSU Plant Pathologist, will talk about fruit rot and other raspberry diseases and Dr. Pat Moore, WSU Small Fruit Breeder, will lead a tour of the breeding plots. The time is 3-5. Call or email Dr. Moore for more information at 253-445-4525 (moorepp@wsu.edu)

Crop updates:

Raspberries: Harvest continues in all areas. The crop will peak this week in the South. Earlier heat stress has made for a short season and reduced overall yields. In the North, the crop looks to be average but quite a bit of crumbly fruit is showing up due to Raspberry Bushy Dwarf Virus.

Strawberries: Harvest is finished in the South but continues in the North with good quality.

Marionberries: Harvest started this week. Quality looks good. Yields have been reduced due to cold damage.

Blackcaps: Harvest is on going. Yields are significantly reduced.

Blueberries: Harvest got going last week in the South. Dukes are still a couple of weeks away from harvest in the North.

Insect Update

1) Orange tortrix leafrollers: An ongoing hatch continues to present problems in many southern caneberry fields. Treatment options with short pre harvest intervals that can be used during harvest include Bt formulations, Success (spinosad) and Malathion.

2) Strawberry Crown Moth: Trap numbers are on the increase in some southern strawberry and caneberry fields.. The first insecticide treatment should go on ten days to two weeks after consistent flight begins. For most southwest Washington fields that would be around the 10th to 15th of July. ([you can click here for picture](#)).

3) Weevils: Black Vine and Rough Strawberry Root Weevil adults are present in many strawberry and raspberry fields... Check for notched leaves that indicate weevil feeding. Beating trays can be used to sample for adult weevils in caneberry fields. You can also sample by looking at night with a flashlight after 10 pm when they're feeding.

4) Raspberry Fruitworm: Larvae are now developing in the fruit. Clean up insecticide treatments should impact some of the late flying adults. ([Click here for fruitworm picture](#)).

5) OBLR larvae in blueberries. If you had leafrollers as a contaminant in blueberries last year, scout for tied leaves and fruit feeding larvae.

6) OBLR leafroller adults: OBLR trap counts continue to increase..

7) Spider mites: Our warmer weather favors mite population increases. The use of broad spectrum insecticides as a clean up application can result in the loss of natural controls and lead to late season mite outbreaks.

8) Black-headed fireworm: It's time to scout cranberries for black-headed fireworm. Confirm (Tebufenozide), an insect growth regulator, can be used for control while bees are still in the field. After bees are removed, Diazinon can be used.

9) Aphids: Aphid populations are increasing in some blueberry fields. They are a vector of Blueberry Scorch Virus and should be controlled even at low populations in fields affected with Scorch or close to infected fields.

Disease Update:

1) Raspberry Bushy Dwarf Virus symptoms are showing up in many northern raspberry fields.

2) Mummyberry infected blueberries are becoming evident as the fruit ripens. Infected fruit is shriveled and discolored. ([click here for picture](#)).

3) Root rot/stress symptoms are now very pronounced in caneberries.

4) Shock and Scorch virus symptoms are visible in many blueberry fields. If you suspect your field has a virus but are unsure, you can call Bob Martin, the USDA small fruit virologist to arrange for testing. 541-738-4041. The following website is a great resource for Scorch Virus diagnosis and testing <http://whatcom.wsu.edu/ag/comhort/BISV.htm>.

5) If you've had problems with **Anthraxnose in blueberries** (orange colored spores show up on ripe fruit) preventative sprays are most effective from the end of bloom until harvest.

Cropwork:

Caneberries: 1) Treat for insect harvest contaminants if needed. 2) Fungicide can be applied for fruit mold prevention. 3) Scout for leafroller larvae. 4) Scout for raspberry fruitworm in the North. 5) Can scout for weevil adults using a beating tray. 6) Scout for mites.

Blueberries: 1) Can deploy bird control/scare devices to protect ripening fruit from damage. 2) Scout for aphids. 3) Scout for mummyberry infected fruit. 4) Scout for leafrollers. 5) Scout for weevil feeding in the lower suckers. 6) Can apply anthracnose prevention sprays.

Strawberries: 1) Plan to renovate fields two to four weeks after harvest. 2) Can treat for weevils if needed. 3) Scout for cyclamen mites. 4) Scout for two-spotted mites. 5) Put out pheromone traps for strawberry crown moth.

Cranberries: 1) Scout for black-headed fireworm.

Weather for the week:

(South): Dry. Highs climbing into the mid to upper 80s Thursday and Friday then (hopefully) dropping back into the high 70s. Lows around 55.

(North): Chance of showers today and tomorrow. Highs around 70. Lows in the low 50s.

Calendar:

July 9 OSU Caneberry Open House, North Willamette R & E Station, Aurora 3-5 pm.

July 10, WSU Raspberry Field Day, Puyallup Farm 5, 3:00-5:00 pm. For more information contact [Patrick Moore](#).

July 16 OSU Blueberry Open House, North Willamette R & E Station, Aurora 1:00-5:00 pm

July 24, WSU Small Fruit Field Day, Mt. Vernon Station, 3:00-5:00 pm. For more information contact [Patrick Moore](#).

August 4 WSDA Endangered Species Program Workshop, Natural Resources Bldg., Olympia, WA. 9-noon. For more information contact Bridget Moran at 360- 902-1936 e-mail: bmoran@agr.wa.gov

August 14 WSU Small Fruit Field Day, Vancouver, WA Station, 1:00 - 4:00 pm. For more information contact Vicki Darnel at 360-576-6030.

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