

Small Fruit Update



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

April 27, 2004

More sunny and dry weather is on the way. Better get the irrigation systems ready. In the north, quite a bit of foliar fertilizing is going on the raspberries, trying to recover from the winter damage. In the south, raspberry bloom is just beginning. Marions can't be far behind.

Blueberry Scorch Virus Information: WSU Whatcom County has a web page with Blueberry Scorch Virus information and sampling guidelines at <http://whatcom.wsu.edu/ag/comhort/BISV.htm> Sampling for blueberry scorch virus is best accomplished at full bloom. You can call Todd Murray with any questions at 360-676-6736.

Cropwork

Raspberries: 1) Can apply fertilizer—soil and foliar. 2) Control primocane growth as needed. 3) Put out pheromone traps for leafroller monitoring. 4) Put out traps for raspberry beetle in the north. 5) Scout for mites and control as needed. 6) Can apply fungicide for fruit mold control starting at 10% bloom. 7) Scout for rust and treat as needed.

Blackberries: 1) Can apply fertilizer—soil and foliar. 2) Control primocane growth as needed. 3) Put out pheromone traps for leafroller monitoring. 4) Can apply prebloom leafroller insecticide control. 5) Can apply fungicide for fruit mold control starting at 10% bloom. 6) Can apply sulfur for control of redberry mite (primarily a problem in evergreens).

Blueberries: 1) Scout for virus diseases. 2) Treat for mummyberry prevention. 3) Can apply fertilizer—soil and foliar. 4) Can apply fungicide for fruit mold control starting at 10% bloom.

Strawberries: 1) Scout for root weevil, cutworm and /or strawberry crown moth larvae in areas where the new growth is weak. 2) Can apply fertilizer. 3) Can apply foliar Fosphite or Aliette for root rot control. 4) Scout for aphids and treat if needed. 5) Can apply fungicide at 10% bloom for fruit mold control. 6) Scout for two-spotted mites and cyclamen mites.

Cranberries: 1) Apply fertilizer. 2) Can apply copper for tip blight. 3) Scout for fireworm.

All crops: Control existing weeds.

Insect Update

1) Raspberry beetle adults are being found three weeks earlier than they were last year in Whatcom County. Monitoring trap information is available from Todd Murray, Whatcom IPM, at 360-676-6736. [For photos click here:](#)

<http://whatcom.wsu.edu/ag/comhort/nooksack/ipmweb/Insect%2011%20Sheet.html>

2) Orange tortrix leafroller trap counts in the south continue very high in some fields. Traps in various blackberry fields are over 300 moths per trap per week. The advanced degree day accumulation should lead to an early larval hatch this year.

3) Mites: Yellow mites are at economically damaging levels in some southwestern Washington raspberry fields requiring miticide applications.

Two-spotted mite populations are also increasing in southern raspberries and strawberries.

4) Root Weevils: [Click here](#) for **weevil species photos**.

Black Vine: Pupae are now developing. Still no newly emerged adults have been found. Should be this week...

Clay colored: Adults are present in some northern raspberries. This species has not been identified as a pest in the southern areas. Click [here](#) for scouting and pictures and [here](#) for decision-making.

Rough strawberry: Overwintering adults are being recovered. Small larvae assumed to be rough strawberry are being found in some southern strawberries. Larval identification is not 100% accurate.

5) Aphids: Aphid control could be necessary in situations where they can **vector viruses**. Warm, dry conditions tend to depress aphid populations.

6) Winter moth: Larvae are present in raspberries and blueberries. [Click here](#) for pictures.

7) Check weak areas in strawberry fields for insect larvae feeding on the crowns and/or roots. These could be cutworms, strawberry crown moth or root weevil larvae.

Disease Update

1) Mummyberry. We're still in the critical time to treat for mummyberry. [Click here](#) for information and pictures.

2) Virus diseases:

Tomato Ring Spot Virus in raspberries: A chevron pattern on some raspberry leaves infected with Tomato Ringspot Virus is appearing in the South. This is the only time of year this symptom is visible. ([Click here for picture](#)). This virus is vectored by dagger nematodes and causes a significant decrease in vigor. Check weak areas for symptoms.

Shock virus symptoms are visible in southern blueberry fields. The newly developing buds suddenly turn black and die. Infected plants recover but produce no crop for a year. No treatments are available.

Scorch virus symptoms are also showing up in blueberries in the south. It looks very similar to Shock but is much more serious since plants don't recover and should be immediately removed to prevent spread. If you suspect your field has a virus, call Bob Martin, the USDA small fruit virologist and arrange for testing. 541-738-4041.

3) Rust is visible in raspberries in the south. We're just beginning to go through a change in the spore stage. Once the orange pustules start showing up on the underside of the leaf, the disease begins the stage that spreads very quickly. Given the proper weather conditions, it can cause a major decrease in yield and plant vigor.

Chemical Control Update

Rust control in raspberries: [Cabrio EG](#) (pyraclostrobin) and [Rally 40W](#) (myclobutanol) will give good control and should be applied right around flower opening.

Weather

North (Whatcom County): Dry & sunny. Lows in the lower 40s. Highs climbing into the 70s.

South (north Willamette Valley): Dry & sunny. Lows in the mid 40s. Highs getting into the high 70s to 80.

Calendar

April 29 — WSDA Public Hearing on Proposed Commission Changes ~ 1:00pm, Fire District #3 Conference Room, 307 19th Street, Lynden, WA. Call the Washington Red Raspberry Commission office at 360-354-8767 for information.

May 5 — Oregon Strawberry Commission Meeting and Budget Hearing ~ Mt. Angel Brewery, Mt. Angel, Or. at 6 PM. For information call 541-758-4043 or [email](#).

May 11 — Oregon Raspberry and Blackberry Commission Meeting and Budget Hearing ~ Holiday Inn, Wilsonville, Or. at 6 PM. For information call 541-758-4043 or [email](#).

May 15 — Oregon Blueberry Growers Association Annual Meeting ~ Roth's IGA, West Salem. For more information, Contact Judy Ebert (503) 663-6451 or by [email](#).

May 3 — WSDA Public Hearing on Proposed Commission Changes ~ 1:00pm, WSU Vancouver Research & Extension Unit, 1919 NE 78th Street, Vancouver, WA. Call the Washington Red Raspberry Commission office at 360-354-8767 for information.

Small Fruit Cold Storage Reports: <http://berrygrape.oregonstate.edu/markets/cold.htm>

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