



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

April 20, 2004

A welcome return to more seasonable weather this week has slowed down the insect and plant development, but we're still looking at the earliest strawberry season in a long time.

Cold damage in raspberries: As mentioned last week, some major damage from the November cold has become evident in the northern raspberries. [Here are some photos of the symptoms.](#)

Cropwork

Raspberries: 1) Can apply fertilizer—soil and foliar. 2) Scout for Cane Blight and other cane diseases. 3) Control primocane growth as needed. 4) Put out pheromone traps for leafroller monitoring. 5) Put out traps for raspberry beetle in the north. 6) Scout for mites and control as needed. 7) Can apply prebloom leafroller insecticide control.

Blackberries: 1) Can apply fertilizer—soil and foliar. 2) Scout for cane diseases like Purple Botch. 3) Control primocane growth as needed. 4) Put out pheromone traps for leafroller monitoring. 5) Can apply prebloom leafroller insecticide control.

Blueberries: 1) Scout for virus diseases. 2) Treat for mummyberry prevention. 4) Can apply fertilizer—soil and foliar. 5) Bring in bees at 10% bloom. 6) 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 slug bait. 4) Till row centers. 5) Can apply foliar Fosphite or Aliette for root rot control. 6) Scout for aphids and treat if needed. 7) Can apply fungicide at 10% bloom for fruit mold control. 8) Scout for two-spotted mites and cyclamen mites.

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

Insect Update

1) Raspberry beetle adults have been found in a raspberry field in Whatcom County. These are the first of the year, and they were found three weeks earlier than they were last year.

2) Orange tortrix leafroller trap counts in the south rose quickly last week with the hot weather. Some growers are applying prebloom insecticide treatments this week. This early flight is primarily male moths. Female emergence and egg laying happens in a few weeks so very few larvae are present right now.

3) Mites: Yellow mites are present in some southwestern Washington raspberry fields. The cooler weather has slowed down mite development.

Two-spotted mites are present in southern raspberries and strawberries.

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

Black Vine: Pupae are now developing in southern small fruits. Still haven't seen any newly emerged adults.

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. Not very many larvae seem to be present.

5) Aphids: Aphid control could be necessary in situations where they can **vector viruses**.

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:

Blueberry Fruit Drop: Dr. Bob Martin has identified a symptom occurring in some fields that indicate we might have a previously unidentified virus in blueberries. The symptom is that almost all the fruit drops off right after pollination. This occurs on affected bushes every year. If you have any bushes exhibiting this behavior, call Dr. Martin at 541-750-8794 to arrange for possible testing/identification.

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. 541-750-8794. For pictures and information on Scorch virus, [click here](#).

3) Cane Blight—The best time to spot symptoms of cane blight in raspberries is as they break bud. The time to protect next year's canes from infection is immediately after harvest when fresh wounds can become infected.

4) Rust is visible in raspberries in the south. The present spore stages ([click here for picture](#)) don't require treatment.

Chemical Control Update

Strawberry and blueberry fruit mold control options this year include **Pristine** (pyraclostrobin & boscalid), **Switch** (cyprodinil & fludioxonil), **Captivate** (fenhexamid & captan), **Elevate** (fenhexamid), and **Captan**. The first application is recommended to go on at 10% bloom. We've got a lot of excellent options so be sure to alternate materials to avoid resistance and ensure control of a broad spectrum of fungal diseases.

Weather

North (Whatcom County): Looks like rain on Friday. Drying afterwards. Highs in the 60s. Lows in the lower 40s.

South (north Willamette Valley): Drying and warming as the week goes on. Highs getting up to 70 by next Monday. Lows in the lower 40s.

Calendar

April 21-23 — Fruit and Vegetable Processing Short Course 238 Wiegand Hall, OSU Campus, Corvallis, OR. For registration and program details, [click here](#).

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 1 — 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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