



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

**June 29, 2004**

Ideal harvest weather across the region this week.

**Raspberries:** The main processed harvest is ongoing in all regions. We're past the halfway point in the south. Just really getting going in the north.

**Blueberries:** Processed harvest is ongoing in the south. The quality is great. Should start soon in the north.

**Blackberries:** Marions have just started picking. Some fruit quality issues due to heat stress and sun burn but not too bad.

**Strawberries:** Processed harvest finished. Some fresh market harvest of later ripening varieties continues.

**OSU Caneberry Open House this week:** Thursday (July 1) North Willamette R & E Station, Aurora, 2 PM. Call the station at 503-678-1264 x 0 for information or click [here](#) for details.

**Raspberry Crown Borers wanted** . . . There's a study being done on raspberry crown borers and the researchers are looking for sites to collect them. If you know of a site that has a population of crown borers, [email](#) or call Tom Peerbolt (that's me) at 503-289-7287 and I'll pass on the information.

#### **Insect Update—New information/Alerts**

**1) Strawberry Crown Moth:** Adult pheromone trap counts continue to rise in the south. Control applications need to be timed very closely to this first emergence. The [PNW Handbook write up](#) has pictures and detailed sampling information. This pest can cause major economic damage to strawberries and blackberries if undetected ([you can also click here for picture](#)). They haven't been reported as a pest in the north.

**2) Obliquebanded leafroller** adult trap numbers are now declining in the south. In the north OBLR larvae can be a blueberry and caneberry crop contaminant. Scout for rolled up leaves.

#### **Insect Update—Ongoing information**

**1) Aphids** are present in many blueberry fields. Scout for them on the new growth, looking at the undersides of the leaves. These are the major vector for Blueberry Scorch Virus. Control options include Diazinon and [Provado](#) (imidachloprid).

**2) Orange Tortrix leafroller larvae** are now present in some southern caneberry fields in high numbers, creating the potential for harvest contaminant problems. One of the control options this year is [Success \(Spinosad\)](#). It has a one-day PHI. Other options are **Capture** or **Discipline** (Bifenthrin) and various **Bt** formulations.

**3) Caneberry Harvest Contaminants:** A broad-spectrum insecticide might be needed before or during harvest to prevent insect fruit contaminant problems.

#### **4) Root Weevils:**

[Click here](#) for **weevil species photos**.

**Black Vine:** Adults are present in many small fruit fields. To control, the adults need to be killed before they start laying eggs. This usually is figured to be about four weeks after they've emerged.

**Clay colored:** Adults are present in some northern raspberries. They are mature and laying eggs. Click [here](#) for scouting and pictures and [here](#) for decision-making.

**Rough strawberry:** Adults are being recovered in southern strawberry fields. This species tends to feed down in the crown of the plant and is very difficult to control with over the row insecticide applications.

**5) Raspberry beetles** are present in many northern raspberry fields. They can be a major crop contaminant. Monitoring information is available from Todd Murray, Whatcom IPM, at 360-676-6736. [For photos click here](#).

#### **Insect Update—New information/Alerts**

- 1) Botrytis Fruit Rot:** This is the time of year when fruit rot is the primary disease that can seriously impact fruit yield and quality. So far we've had excellent weather to suppress it. No problems are being reported in caneberries or blueberries.
- 2) Mummyberry:** The fruit is at the stage when it's very easy to distinguish infected fruit. Now is a good time to scout the fields to assess infection levels. [Click here](#) for pictures.

### Disease Update—Ongoing information

- 1) Blueberry Scorch Virus:** WSU Whatcom County has a [web page](#) with Blueberry Scorch virus information and sampling guidelines. Todd Murray (360-676-6736) would be happy to assist growers in surveying in Whatcom County. British Columbia also has several nurseries that have their stock tested regularly. [Email](#) Tom Baumann for further information.
- 2) Blueberry Fruit Drop:** This is a potential new virus in blueberries identified by Dr. Bob Martin. The fruit drops off the entire bush in early green fruit stage. This repeats every year. The disease's occurrence is sporadic so far, only being found in five fields—one each in Oregon and Washington and three in B.C. Spread in a field appears very slow. If you suspect a problem in your fields, [email](#) Dr. Martin or call 541-738-4041.
- 3) Anthracnose:** If you've had problems with Anthracnose in blueberries (orange colored spores show up on ripe fruit) preventative sprays are most effective from the end of bloom until harvest. **Abound (Azoxystrobin)** does a good job on it,
- 4) Shock virus** symptoms are visible in blueberries. The newly developing buds suddenly turn black and die. Infected plants recover but produce no crop for a year. No treatments are available. This looks very similar to Scorch virus. If you're unsure, [email](#) Dr. Martin or call 541-738-4041 for testing information.
- 5) Phytophthora Root Rot** symptoms are becoming very pronounced in some raspberry fields. Plant leaves yellow and canes collapse.

### Cropwork

**Raspberries: Harvest ongoing** 1) Scout for leafroller larvae as. 2) Scout for raspberry beetle in the North. 3) Scout for other insect harvest contaminants (weevils, stinkbugs, earwigs...)

**Blackberries: Harvest ongoing** 1) Use pheromone traps for leafroller adult monitoring. Also scout for larvae. 2) Can apply fungicide for fruit mold control starting at 10% bloom. 3) Put out pheromone traps for Strawberry Crown Moth. 4) Scout for other insect harvest contaminants (weevils, stinkbugs, earwigs...)

**Blueberries: Harvest ongoing in the south** 1) Scout for virus diseases. 2) Implement bird control strategies. 3) Scout for weevils. 4) Scout for aphids. 5) Scout for leafroller larvae in rolled up leaves.

**Strawberries: Harvest finished** 1) Scout for root weevil and treat as needed. 2) Put out pheromone traps for Strawberry Crown Moth and treat as needed. 3) Scout for two-spotted mites and cyclamen mites. 4) Scout for powdery mildew symptoms. 5) Plan to renovate fields about four weeks after harvest.

**Cranberries:** 1) Can apply fungicides such as Bravo/NuCop at bloom. 2) Scout for fireworm. Can apply Confirm (Tebufenozide) for control.

### Weather for the week

**North** (Whatcom County): Mostly sunny. Cooling and chance of showers by Sunday. Highs in the 70s. Lows in the mid 50s.

**South** (north Willamette Valley): Mostly sunny. Cooling and a chance of showers by Sunday. Highs starting out the week around 80. Lows in the upper 50s.

### Calendar

**July 1 — OSU Caneberry Open House** ~ See above.

**July 8 — WSU Raspberry field trial open house** ~ Sakuma Brothers, Mt. Vernon, 5-7 PM, Contact [Patrick Moore](#).

**July 8 — OSU Blueberry Open House** ~ North Willamette R & E Station, Aurora, 1 PM. Call the station at 503-678-1264 x 0 for information. Click [here](#) for details.

**July 13 — WSU Raspberry Field Day** ~ Puyallup Farm 5, 3–5 PM, For more information contact [Patrick Moore](#).

**July 15 — WSU Raspberry field trial open house** ~ Honcoop Farm, Lynden, 11-1PM, Contact [Patrick Moore](#).

**July 22 — WSU Small Fruit Field Day** ~ Mt. Vernon Station, 3–5 PM. For more information contact [Patrick Moore](#).

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

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