

Small Fruit Update



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

June 9, 2003

Back to cooler weather after last week's record breaking heat. Many **strawberry fields were seriously impacted**. Harvest started last week and overall yields and fruit size have been reduced. It also brought on a lot of the **raspberry, Marion, and Boysenberry bloom**. Estimated start of the **Marionberry harvest** in the Willamette valley is July 8-10th with peak harvest around July 16-22nd.

Bloom is just about done in the major **blueberry varieties** in the North.

Whatcom weather information: With warmer temperatures, water loss is an issue. Whatcom county weather stations can show trends, such as rainfall and soil moisture to give you an idea of future patterns. Visit PAWS at <http://index.prosser.wsu.edu/>. The user name is: whatcom and the password is: whatcom.

Strawberry Field days this week: Oregon State, Washington State and the **British Columbia** research station are all having field day tours this week. It's a rare chance to see how different varieties are performing in the field and also visit with our industry researchers. See the schedules and contact people at the bottom of this update.

Pesticide update revised: Joe DeFrancesco's small fruit pesticide listing on our website has been updated and improved (the listing now scrolls, keeping the column heads visible.) You can see it at <http://www.peerbolt.com/pestupdate.htm>

Raspberry Scouting Information: For scouting, decision-making and management guidelines for bloom/pre-harvest pests in raspberries go to <http://whatcom.wsu.edu/ag/comhort/nooksack/ipmweb/bloom.html> . This is geared toward Whatcom county but most information applies to Oregon, Southwest Washington and BC as well.

West Nile Virus is in our region now and we will need to be more conscious of mosquito activity as we work out in the field. For more West Nile Virus Information: <http://whatcom.wsu.edu/commun/wnv.htm>

Insect Update

1) Orange tortrix leafrollers: The orange tortrix hatch that causes most of our contaminant problems in the South has started in SW Washington caneberries. Scout fields to be sure the leafroller larvae are present. If they are, *Bacillus thuringiensis* can be applied while bees are still in the field. Early treatments are more effective than later ones when the larvae are larger and more protected in the leaves.

2) Strawberry Crown Moth: The first adult moth was caught in a pheromone trap in SW Washington this week. This is very early. The following PNW Handbook write up has pictures and detailed sampling information. <http://pnwpest.org/pnw/insects?28RUST03.dat>. Last year they were found at damaging levels in strawberries and blackberries ([you can also click here for picture](#)).

3) Weevils: Black Vine and Rough Strawberry Root Weevil adults are emerging in southern and northern fields. You've got about 30 days to control the adults before they begin laying eggs. Check for notched leaves that indicate weevil feeding. Beating trays can be used to sample for adult weevils in caneberry fields.

4) Raspberry Fruitworm: Raspberry beetles (fruitworm) are still active in the North. Fields that were treated with diazinon earlier appear to have suppression of beetles. Other fields show a steady increase in beetle numbers. We should be approaching peak flight. ([Click here for fruitworm picture](#)).

5) OBLR larvae in blueberries. If you had leafrollers as a contaminant in blueberries last year, begin scouting for tied leaves and fruit now. Small OBLR larvae have begun feeding. Consider treating with *Bacillus thuringiensis*.

6) Carnation tortrix & OBLR leafroller adults: These are also being picked in the orange tortrix traps in the south. They are not major caneberry crop contaminants and should not be included in OT trap counts.

7) Spider mites: The hot weather last week strongly favors mite development. Populations are increasing in all areas.

8) Cyclamen mites are being found in some strawberry fields . Be on the look out for distorted new growth.

9) Black-headed fireworm: It's time to scout cranberries for fireworm.

10) Aphids: Winged adults are being recovered. Aphid control can be necessary in situations where they can **vector viruses**. These include blueberry fields infected with or in close proximity to **blueberry scorch virus** and virus susceptible

strawberry varieties such as **Hood**.

11) Symphylans: A couple of strawberry and raspberry fields in Southwest Washington have been found to have economically damaging levels of symphylans. The damage resembles that of weevils or strawberry crown moth—weak or dying areas. The following PNW Handbook write up has pictures and detailed sampling information:

<http://pnwpest.org/pnw/insects?28RUST04.dat> .

Disease Update:

1) Rust is visible in raspberries. The warm dry weather and earlier fungicide applications have helped control it.

2) Root rot/stress symptoms are now very pronounced in caneberries. The hot, dry conditions along with fruit set create major stress on the root systems.

3) 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>.

Cropwork:

Caneberries: 1) Fungicide can be applied for fruit mold control. 2) Scout for rust and treat if necessary. 3) Put out pheromone traps for leafrollers. 4) Scout for raspberry fruitworm in the North. 5) Fertilizer can be applied. 6) Scout for weevil adults using a beating tray. 7) Scout for mites.

Blueberries: 1) Scout for aphids in fields having or close to fields having blueberry Scorch virus. 2) Scout for Shock and Scorch virus symptoms. 3) Scout for leafrollers and winter moth. 4) Scout for weevil feeding in the lower/new suckers. 5) Fertilizer can be applied.

Strawberries: 1) Can treat for weevils if needed. 2) Can apply fungicide for preventing fruit mold if bloom is still opening. 3) Scout weak areas for presence of symphylans, weevil larvae or strawberry crown moth. 4) Scout for cyclamen mites. 5) Scout for two-spotted mites. 6) Scout for aphids in virus susceptible varieties (like Hoods). 7) Put out pheromone traps for strawberry crown moth.

Cranberries: 1) Scout for black-headed fireworm and treat with diazinon if needed. 2) Bring in bees soon.

Weather for the week:

(South): Chance of showers by Thursday. Highs in the low 70s going down later in the week. Lows 50-55.

(North): Dry early with rain likely by Thursday. Highs near 70 going down later in the week. Lows around 50.

Calendar:

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

June 12 OSU Strawberry Open House, North Willamette R & E Station, Aurora 3-5 pm. Bernadine Strik, Chad Finn, Diane Kaufman and Joe DeFrancesco will be summarizing their work, answering questions, and offering a walk-through of the breeding plots. Call the Station at 503-678-1264 x 0 for information.

June 13 BC Strawberry Field Day/Tour, Abbotsford, BC 11 am. For more information contact Chaim Kempler (kempler@agr.gc.ca) 604-796-2221 x 224

June 27th BC Raspberry Field Day/Tour, Abbotsford, BC 11 am. For more information contact Chaim Kempler (kempler@agr.gc.ca) 604-796-2221 x 224

June 27 & 28 Pacific Northwest Christmas Tree Association Summer Meeting and Farm Tour A day of seminars at the Red Lion Hotel, Olympia, WA followed by a day of farm tours. Call 503-364-2942 for more information.

July 9 OSU Caneberry Open House, North Willamette R & E Station, Aurora 3-5 pm. Call the Station at 503-678-1264 x 0 for information.

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

5261 N. Princeton ~ Portland, OR 97203 ~ Office phone: (503) 289-7287 ~ Fax: (503) 289-7229

Cell phone: (503) 970-0922 ~ email info@peerbolt.com ~ website <http://www.peerbolt.com>