

Small Fruit Update



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

June 2, 2003

The first hot weather will be moving in this week, mainly in the South with **temperatures pushing 90**. This could impact the **strawberry harvest** that should also be starting late this week or early next. Time to get the irrigation going for many of you.

In the North, **raspberries** are past 10% bloom, most **blueberries** are past 50% bloom. **Cranberry** bloom should start within a couple of weeks, line up the bees.

Growers Meetings in the North: There will be a **Skagit Berry Growers** Breakfast Meeting at the Berry Patch Restaurant in Burlington on June 3rd at 7 am. And a **Whatcom Berry Growers** Breakfast Meeting on June 4th at 7 am at Dutch Mother's restaurant in Lynden. Dr. Lynell Tanigoshi will be discussing his research in small fruit insect suppression at both meetings. WSDA pesticide re-certification credits will be available. Call Todd Murray at 360-676-6736 for information.

BC Field Days/Tours: The **Strawberry field day/tour** in Abbotsford will be June 13. The **Raspberry field day/tour** will be June 27th. Both start at 11 am. Call Chaim Kempler for information at 604-796-2221 x 224 or email him at kempler@agr.gc.ca

Insect Update

- 1) **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. You can bait for them by placing half a potato on the soil surface covered by a flower pot with the holes covered. Check it in a couple days for symphylans. The following PNW Handbook write up has pictures and detailed sampling information : <http://pnwpest.org/pnw/insects?28RUST04.dat> .
- 2) **Slugs:** The slug populations have been high this year. You might consider treating borders around the fields and areas where you stack flats or drums with a metaldehyde bait. Be very cautious not to contaminate any fruit.
- 3) **Weevils:** Newly hatched adult Black Vine and Rough Strawberry Root Weevils are being recovered in southern fields. As well as over wintered adult Rough Strawberry in all areas. Pre harvest treatments can be made this week in southern strawberry fields—the longer you can wait, the more adults will be hatched and become vulnerable. Beating trays can be used to sample for adult weevils in caneberry fields.
- 4) **Raspberry Fruitworm:** Trap numbers in the North are very high and egg laying has begun. With **raspberry** bees in the fields, the window for using diazinon for control has passed. ([Click here for fruitworm picture](#)).
- 5) **Orange tortrix leafrollers:** Trap counts are quite low in the North but rising quickly in the South. There are still very few larvae being found so I'd recommend holding off on *Bacillus thuringiensis* applications. The orange tortrix hatch that causes most of our contaminant problems in the South usually occurs in the next couple of weeks. That would be the time to treat.
- 6) **OBLR** 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*.
- 7) **Carnation tortrix leafrollers:** These are also being picked up (darker than orange tortrix with an orange underwing) in the orange tortrix traps. This species is not a crop contaminant and should not be included in trap counts.
- 8) **Spider mites:** Yellow mites are increasing in raspberries in the North while European red mite populations are lower than last year. McDaniel mites are at treatable levels in a raspberry fields in Southwest Washington. Two spotted populations are also increasing.
- 9) **Cyclamen mites** are being found in some southern strawberry fields. Be on the look out for distorted new growth. The actual mites are too small to be seen without a strong hand lens. They can be found far down in the plant crown.
- 10) **Black-headed fireworm:** It's time to scout cranberries for fireworm.
- 11) **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**.
- 12) **Strawberry Crown Moth:** In the South put out pheromone traps. Last year they were found at damaging levels in

strawberries and blackberries ([Click here for picture](#)).

Disease Update:

- 1) **Rust** is visible in raspberries in all areas. The warm dry weather will help prevent the spread but treat at this time if necessary.
- 2) **Cane blight** symptoms in raspberries can also be found fairly easily at this time. Dead canes or canes with buds dead on one side could be caused by cane blight. Check for bright orange streaks coming up from last year's catcher plate wounds. Recommended treatment to prevent its spread is a fungicide application right after harvest before the wounds heal up.
- 4) **Shock** and **Scorch virus** symptoms are showing up in blueberry fields in all regions. 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) Bring in bees by 10% bloom. 3) Scout for rust and treat if necessary. 4) Put out pheromone traps for leafrollers. 5) Scout for raspberry fruitworm in the North. 6) Fertilizer can be applied 7) Scout for weevil adults using a beating tray. 8) Scout for mites.

Blueberries: 1) Can apply fungicide for preventing fruit mold. 2) Fertilizer can be applied. 3) Scout for aphids in fields having or close to fields having blueberry Scorch virus. 4) Scout for Shock and Scorch virus symptoms. 5) Scout for leafrollers and winter moth.

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

Cranberries: Scout for black-headed fireworm and treat with diazinon if needed.

Chemical Update

Reminder: Our newer cane suppression material, **Aim (carfentrazone)** has a 15 day pre harvest interval.

Weather for the week:

(South): Warming up. Highs close to 90 Wednesday through Friday. Lows in the lower 50s.

(North): Warming up. Highs into the lower 80s late in the week. Lows around 50.

Calendar:

June 3 Skagit Berry Growers Meeting—see above

June 4 Whatcom Berry Growers Meeting—see above

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 all be summarizing their work and answering questions as well as walk throughs of the breeding plots. Call the Station at 503-678-1264 x 0 for information.

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

June 27th BC Raspberry Field Day/Tour, Abbotsford, BC 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.

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