



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

**March 30, 2004**

**Strawberry degree day model:** Rufus LaLone has a well verified degree day model for predicting when strawberry harvest will begin that's also useful for comparing where we are with other crops. According to his model, we're very close in all areas checked (Salem, Vancouver, WA, & Bellingham) to where we were last year at this time, although well ahead of the 2002 crop year.

**Pesticide Buffer Maps (correction):** Last week we had a slight glitch in the link to the state maps. Here they are corrected: Maps showing the waterways affected by the court imposed buffer zones are now available for all Washington and Oregon counties. For Washington [click here](#) – for Oregon [click here](#).

**OSU Caneberry Newsletter:** Diane Kaufman, the Oregon State extension agent for caneberries and strawberries has just put out a newsletter. Its got a great article on some of the diseases in blackberries (Septoria and purple blotch) and their control. Call 503-678-1264 x10 to get on their newsletter list.

### **Insect Update**

- 1) **Clay colored weevil** are now showing up in some northern raspberry fields. Go out at night and look for the adults or using beating tray. Click [here](#) for scouting and pictures and [here](#) for decision-making:
- 2) You can now set out monitoring traps for the **raspberry beetle** in the north. Contact the WSU extension office in Whatcom County for information about the traps. (360) 676-6736
- 3) **Rough strawberry root weevil** adults can now be found at the base of raspberry canes and in the detritus of strawberries.
- 4) Some **winter moth larvae** are being found in the north and south. These can cause major damage by feeding on blueberry blooms. Often, you can see a small hole chewed into the sides of the bud. Occurrence can be very spotty in a field, so scout carefully for webbing and/or damaged buds. [Click here](#) for pictures.
- 5) Check weak areas in strawberry fields for insect larvae feeding on the crowns and/or roots. These could be **cutworms, strawberry crown borer** or **root weevil larvae**.
- 6) **Finish** Insecticide drenches for control of **Raspberry Crown Borer** and /or **Strawberry Crown Borer** in caneberries. Diazinon is the recommended insecticide.
- 7) **Leafrollers:** We put out pheromone traps for orange tortrix leafrollers in caneberry fields in the south this week. Visual surveys show the predominant larvae feeding in southern caneberries right now are winter moth.

### **Disease Update**

- 1) **Mummyberry**—Now is the critical time to treat for mummyberry. [Click here](#) for information and pictures.
- 2) **Shock virus** symptoms are beginning to show up 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 due to show up in blueberries. 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.
- 2) **Cane Blight**—The best time to spot symptoms of cane blight in raspberries is as they break bud. Infected canes will show either no budbreak if the cane has been girdled or one sided bud break if the infection is on one side. Scrape canes to look for rust colored streaks usually coming up from machine harvester scars.

There is no treatment for cane blight, only prevention. The time to protect next year's canes from infection is immediately after harvest when fresh wounds become infected.

**3)** Its time to finish treating **Phytophthora Root Rot** in caneberries with a drench of **Ridomil** in March. Be sure it gets rained in. Ridomil is pretty volatile. To see the label, [click here](#).

**4)** Check for cane diseases such as **Purple Blotch** in blackberries. Lesions are easy to see right now with no foliage in the way.

### **Chemical Control Update**

**1) Spartan 4F** (Sulfentrazone) has received a Section 18 emergency label for control of broadleaved weeds in strawberries. [Here's the updated label for Washington](#). We'll try to have the updated label for Oregon by the next Update.

**2) Rely** (Glufosinate) is now registered for post emergence weed control in bushberries, including blueberries. [Here's the label](#).

**3) Zeal** (Etoazazole) is now registered for spider mite control in strawberries. [Here's the label](#).

**4) Discipline 2EC**(Bifenthrin) is now registered for control of leafrollers, weevils and spider mites in caneberries. [Here's the label](#).

**5) Galligan** (Oxyfluorfen), a Goal look-a-like herbicide, is no longer labeled for cane burning in caneberries.

**6)** Here are the **Indar (fenbuconazole)** Section 18 emergency labels for mummyberry control in blueberries in both Washington and Oregon. [Click here](#) for the Washington label and [here](#) for the Oregon label. Indar can be tank mixed with copper hydroxide products—follow the label directions.

### **Cropwork**

**Raspberries:** 1) Can apply fertilizer. 2) Scout for Cane Blight and other cane diseases. 3) (North) Finish applying lime sulfur. 4) Finish applying Ridomil for root rot control. 5) Finish applying insecticide drenches for borer control. 6) Control primocane growth as needed. 7) Can put out pheromone traps for leafroller monitoring.

**Blackberries:** 1) Can apply fertilizer. 2) Scout for cane diseases like Purple Botch. 3) Finish applying Ridomil for root rot control. 4) Finish applying insecticide drenches for borer control. 5) Control primocane growth as needed.

**Blueberries:** 1) Scout for winter moth and leafroller larvae. Look for webbing or holes in the buds. 2) Scout for cane diseases such as Bacterial Blight. 3) (North) Can apply pre bloom application of diazinon for winter moth control. 4) Can treat for mummyberry prevention. 5) Can apply fertilizer. 6) Plan to bring in bees at 10% bloom.

**Strawberries:** 1) Scout for root weevil, cutworm and /or strawberry crown borer larvae in areas where the new growth is weak. 2) Can apply fertilizer. 3) Can apply slug bait (in the South). 4) Till row centers. 5) Can apply foliar Fosphite or Aliette for root rot control.

**Cranberries:** Can apply Casoron for weed control.

### **Weather**

**North** (Whatcom county): Drying out. Lows around 40. Highs getting into the 60s later in the week.

**South** (North Willamette valley): Warming and drying as the week goes on. Chance of frost Wednesday night. Most lows in the low 40s. Highs in the mid 60s.

### **Calendar**

**April 7 — Oregon Strawberry Commission** ~ Mt Angel Brewery, 210 Monroe Street, Mt. Angel, OR. Noon. Call 541-758-4043 or [email](#) for information.

**April 19 — Washington Blueberry Commission meeting** ~ Chicona Room, Puyallup Research and Extension Station at 10 AM. Call Dorothy Anderson at 360-766-6150 or by [email](#) for more information.

**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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