



Disseminating information for the [Washington Red Raspberry Commission](#).

May 6, 2002

Looks like a cool week ahead. In the South most strawberry fields hit 10% bloom last week and some of the early variety raspberries should get to 10% near the end of this week.

In the North some bees are being brought in to blueberries next week and strawberry fruiting spurs are just emerging.

Some **nutrient deficiencies** caused by cold soil temperatures are showing up in the North and South. Phosphorus deficiency in raspberries can be seen in purple, distorted leaves. In strawberries distorted leaf growth is occurring that also appears to be related to deficiencies and cold soils.

Cold damage is definitely apparent in some Northern raspberry fields. New fields were hit the hardest as well as some Willamette fields where secondary buds are coming out to replace the dead primary buds on the upper parts of the canes.

Insect update:

- 1) **Two spotted spider mites** at low levels in a number of caneberry fields in the South.
- 2) **Winter Moth larvae** are being found at economically damaging levels in some Northern blueberry fields ([Click here for pictures](#)). Try to treat before bees are brought in.
- 3). **Aphids** are showing up in fairly high levels in some Southern strawberries. Time to control (probably a little late in fact) especially if you've got a virus susceptible variety like Hood. In the North, should also start considering **aphid** control for strawberries this week.
- 4). **Root weevils** are pupating in the South. This week larva/pupa ratios are close to fifty/fifty.
- 5) In the North it's time to monitor for **Raspberry Fruitworm**. A beating tray works well to check for their presence. If anyone on this list has a good picture of the Fruitworm's distinctive leaf damage pattern that I could post, I'd appreciate it if you could you pass it on.
- 6) Also in the North, watch for **cutworms** in strawberries.
- 7) **Cyclamen mites**: Be on the look out for distorted new growth in strawberry plants. It could be a sign of cyclamen mites.

Disease Update:

- 1) **Rust** in the South is very close to being at the stage that requires treatment. When the spores show up on the bottom of the leaves, apply **Rally** (Myclobutanil). The last two years this application took place in the first week in May. It looks like it might be a week later this year.
- 2) **Tomato Ringspot Virus**: 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. If you suspect the disease in weak areas, take a look around.
- 3) **Shock Virus** in blueberries is showing up in the South. Flowers and vegetative shoots suddenly die just as they're about to open. No treatment available. The infected plants return to productivity the following year ([Click here for picture](#)).
- 4) **Mummyberries** are sprouting in blueberry fields North & South. Also now visible are secondary mummyberry infections that appear as dying leaves. These produce the spores that infect the flower buds, resulting in the characteristic 'mummified' fruit.
- 5) **Caneblight** 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 caneblight. Check for bright orange streaks coming up from last year's catcherplate wounds. Recommended treatment to prevent its spread is a fungicide application right after harvest before the wounds heal up.

Chemical Update:

1) Strawberry fruit mold control options this year include **Switch, Elevate, Thiram** and **Captan**. The first application is recommended to go on at 10% bloom. Alternate or tankmix materials to avoid resistance and ensure control of a broad spectrum of fungal diseases.

2) Fruit mold control fungicide options in blueberries include **Rovral, Captan, Benlate**, and **Ziram**. Of these only Captan and Rovral have shown reasonable control. I understand that **Elevate** has also recently been approved but I haven't seen the label yet. Check with your supplier.

3) Fruit mold control fungicide options in caneberries include **Switch, Elevate, Rovral**, and **Captan**. Rovral has shown some resistance problems. **Elevate** has just been labeled. **Switch** can only be used twice before a June 15th cut off date in Washington.

Cropwork:

Blueberries: 1) Bring in bees at 10% bloom. 2) If mummyberry has been a problem in the field, control now. 3) Scout for winter moth. If insecticide needed, be sure to apply several days before bees are brought in or use Bt after bees are present. 4) Weed control. 5) Keep grass and dandelions mowed. 8) Can apply fungicide for botrytis control at 10% bloom.

Strawberries: 1) Can apply fruit mold control at 10% bloom. 2) Check weak areas for root weevils, cranefly larvae and/or Strawberry Crown Moth. Wireworm also possible in North. 3) Scout for cyclamen and two-spotted mites. 4) Weed control. 5) Can apply foliar fertilizers. 6) Scout for slugs and cutworms.

Caneberries: 1) Caneburn primocanes. 2) Treat for root rot with Aliette (or equivalent). 3) Apply fertilizer. 4) (North) Scout for Claycolored weevils. 5) Scout for mites. 6) Can apply foliar fertilizers.

Evergreen Blackberries: Apply sulfur or lime sulfur for redberry mite control when lateral growth is 2-6 inches long.

Weather:

(South) Cloudy with scattered showers. Highs climbing into the mid-60's. Low's climbing into the mid-40's.

(North) Dry after today. Highs around 60. Lows around 40.

Calendar:

May 7 & 8 A Weed Control Workshop will be held at the North Willamette Research & Extension Center in Aurora, OR. 1-4 pm each day. Pre-registration required (\$25) For registration information contact Jan Egli (503-678-1264 x 10). For program information contact James Altland (503-678-1264 x 46)

May 9 Elevate (fenhexamid) informational meeting with Reeve Holmstrom at Dutch Mother's in Lynden, WA. 7AM. Please contact Brian Cieslar at 360-815-5943 or brian@maberrys.com if you plan to attend.

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