

Peerbolt Crop Management News & Opinions

Seasonal updates sent out weekly during the growing season, and sporadically when we have news & opinions to share during the off-season. ~ *Tom & Anna Peerbolt*

5261 North Princeton ~ Portland, OR 97203

Email: tom@peerbolt.com ~ Fax: (503) 289-7229

Cell phone: (503) 970-0922 ~ Office phone: (503) 289-7287

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Well, raspberry harvest will be starting this week and, right on schedule, the orange tortrix leafroller hatch has begun. First and second instars (the really small caterpillars) began appearing in the Woodland area on June 13th. Treatment of any field that has had a high adult trap count should be considered at this time.

Crops: Caneberries: 1) Apply fungicides for Botrytis prevention. 2) Apply cleanup insecticide if needed.

Chemical Updates: 1) **Brigade** just received a section 18 for use in raspberries for weevil control in Oregon. It had previously been approved for use in Washington. Rates and restrictions are the same as previous years.

Insect monitoring update: 1) **Orange tortrix** larvae (first and second instars) are now being found in raspberries and blackberries.

. 2) **Rough Strawberry Root Weevil** is the dominant weevil species now being collected in strawberry fields in Ridgefield, Woodland and LaCenter.

3) **Earwigs** are at very high levels this year. They could be a major contaminant in some caneberry fields.

Disease monitoring update: 1) **Rust**—The spore stage, now becoming evident in raspberries, is on the underside of the leaves. This is the stage that multiplies very quickly and, if the weather turns wet, could lead to major problems during harvest.

2) **Phytophthora root rot**—Symptoms are becoming more pronounced in raspberries as the weather warms up and fruit is being set. Leaves yellow and brown around the edges and some actual cane collapse is showing up.

3) **Botrytis**—Soft fruit and some mold showed up in strawberries after last weekend's rains. With the drier weather, the problem cleared up.

Leafroller Research Updates: 1) We've now got two large test fields for **Last Call**, the attract and kill product for the control of orange tortrix, one on Sauvie Island and one in Woodland. This year should give us very good data for moving forward on getting this approach approved. IPM Technologies and WSU are our partners in this project that's supported by the ORBC.

2) Lynell Tanigoshi has also applied an on-farm trial in the Woodland area of the insect growth regulator, **Confirm**, for OT control. 3) Our first test releases of the beneficial wasp, **Oncophanes americanus**, will also take place this week in both the Willamette Valley and in the Vancouver area. We'll do more right after raspberry harvest. These are being raised at the Northwest Biocontrol Insectary at WSU in Pullman. The Washington Pesticide Commission is funding this work.

Leafroller Survey Update: As soon as harvest begins, I'd like to work out a schedule with as many processors as possible for collecting insect contaminants (particularly leafrollers). I'll be calling some of you this week to get it set up. Hopefully we can start getting some good numbers on species found and actual economic impact. If you could set them aside, Matt would come by once a week to pick them up.

Weather: Looking good. After some heat this weekend, highs in the seventies next week and dry.

Deer damage in Strawberries: Does anyone have any ideas (other than fencing or shooting) for discouraging deer feeding? Any repellent that you think actually works???
