

# Small Fruit Update



News and opinions from [Peerbolt Crop Management](#) and [BerriesNW](#) sent out weekly during the growing season, and sporadically when we have something to share in the off season.

February 2, 2011

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## Links

**Link of the week:** [New Fumigation Regulations & Bed Fumigation Techniques that might help](#): Tom Walters, WSU Small Fruit Horticulturalist.  
[The Weather Cafe](#) by Rufus La Lone  
[Small Fruit Cold Storage Report](#)

## Industry News/Resources

### Peerbolt Crop Management Receives award from the Oregon Invasive Species Council

**From the award letter:** "The Council generally gives this industry award to a company that makes a difference in protecting Oregon from invasive species. The Council chose to present this award to your company for managing the spotted wing drosophila monitoring program during the 2010 Oregon summer. Hiring, training, and supervising scouts and creating regional, real-time information resulted in minimal crop losses and good fruit quality in spite of this new invader."

**From Peerbolt Crop Management:** Thanks. We appreciate the award. Any success was dependant on our many partners in the ODA, OSU, USDA, and industry. I'm hopeful we can continue to build and expand on the connections developed during the 2010 season.

[Click here](#) for more information on the Oregon Invasive Species Council.

### Statistics

- [USDA, NASS Berry statistics for Washington & Oregon](#) (1/24)
- [USDA, NASS Berry statistics for Oregon](#) (with blackberry cultivars separated, 1/24)

### Newsletters

- ['The Source'](#) (1/31) Market updates from *The Produce News*
- [Michigan State University's Small Fruit IPM Advisor](#) (2/1)

### Disseminating information for:

#### Washington

[Washington Red Raspberry Commission](#)  
[Washington Blueberry Commission](#)  
[Washington Strawberry Commission](#)

#### Oregon

[Oregon Raspberry and Blackberry Commission](#)  
[Oregon Blueberry Commission](#)  
[Oregon Strawberry Commission](#)

#### British Columbia

[Fraser Valley Strawberry Growers Association](#)  
[Raspberry Industry Development Council](#)  
[B.C. Blueberry Council](#)

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## West

- [Oregon not bugged as much by insect pests in 2010](#) (Winter 2011, ODA Ag Quarterly)

## National

- [Lettuce market stays hot, but strawberry supplies are on the rise](#) (1/31, Produce News)
- [Blackberry trade eyes joint cooperation](#) (1/17, FruitNet)
- [Californian base for Berry Congress](#) (1/12, FruitNet) International berry conference event comes to the US, covering the latest trends and key topics influencing the industry.
- [First Draft of New Farm Bill: Comments from Iowa](#) (1/29, Des Moines Register)
- [GOP to target employers who hire illegal workers](#) (1/24, S. CA. Public Radio)

## International

- [Chile's Blueberries have their eye on Asia](#) (1/28, FreshPlaza)
- [Port strikes caused delays in exports of Chilean blueberries](#) (1/28, FreshPlaza)
- (Chile-blueberries) [Bigger packaging to conquer the US market](#) (2/1, FreshPlaza)
- (Europe) [Driscoll's merger is complete](#) (1/20, Global Berry Congress)

## International blackberries—older stories

- (UK) [Blackberries set for blues-style boom](#) (7/23/10, Global Berry Congress News)
- [Mexican blackberries face challenges](#) (10/16/10, Global Berry Congress News)

## Pollination

- [Growers worry about the availability of bee](#) (Jan. 2011, Fruit Grower News)
- [Colony Collapse Disorder still being studied](#) (Jan. 2011, Fruit Grower News)

## Classifieds

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**Job opening:** Field Scout. Full-time, temporary, seasonal position. Peerbolt Crop Management. [Click here](#) for details.

**Job opening:** Grower Relations/Food Safety Manager. Oregon Berry Packing in Hillsboro, Oregon. [Click here](#) for details.

## Pest Management & IPM Information

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- **[Pseudomonas \(Bacterial Blight\) blueberries:](#)** Water-soaked lesions can appear at this time of year on canes that then develop into reddish brown to black cankers. Cankers may extend from a fraction of an inch to the entire length of 1-year-old wood. Buds in cankers die. If girdled, the cane portion above the canker dies. **Recommended management:** The lesions now being seen are the effects of past infections. To prevent future lesions from forming, copper sprays are recommended as the temperatures get warmer, usually around mid-February in the Willamette Valley and SW Washington. Good coverage is essential with copper.
- **[Voles:](#)** Vole activity is apparent in many blueberry, caneberry, and strawberry fields. Management of voles is most effective in the spring before they start multiplying like...voles. Kind of like weeds—get them before their reproduction cycle kicks in! [Click here](#) for some background and biology information on voles (or meadow mice). [Click here](#) for information on how to construct bait stations.

## Emerging/potential invasive small fruit pests

### Spotted Wing Drosophila

- SWD traps in Oregon are still catching some overwintering adults especially when there are periods of warmer weather. There appear to be much higher numbers of adults than there were last year at this time although comparisons are not easy to validate due to the limited number of off-season traps and still developing monitoring protocols.
- [Click here](#) for a video overview of SWD on the [growingproduce.com](http://growingproduce.com) site.

### **Brown Marmorated Stink Bug**

- [Brown Marmorated Stink Bug confirmed in Michigan](#) (2/1, MSU Fruit Advisory Team)
- [Click here](#) for the Oregon Department of Ag Alert concerning this potential northwest small fruit pest species.
- [Click here](#) for a video overview of Brown Marmorated Stink Bug on the [growingproduce.com](http://growingproduce.com) site.

### **Light Brown Apple Moth**

- [Light Brown Apple Moth Found in Oregon](#) (1/24, Growing Produce)

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## Regulations, Registrations, Lawsuits, and Label Changes (oh my...)

### **Fumigation Regulations: New from the EPA**

- [Click here](#) for the EPA Brochure outlining the new fumigant regulations.
- **Affected fumigants:** Chloropicrin, Methyl Bromide, Telone, Dazomet (Basamid), and Metam Sodium (Vapam)
- Revised labels with new required measures are on products as of Dec. 1, 2010 for the 2011 use season.
- Revised labels with additional restrictions to be released late 2011 for the 2012 use season.

### **Pesticide Buffer Lawsuit**

*This ongoing lawsuit is heating up and has a lot of potential for severely restricting the use of many commonly used pesticides in Oregon berry fields.*

**The issue:** How large a pesticide use buffer zone should be adjacent to waterways identified as bearing endangered and threatened fish species.

**Major complicating definition/interpretation:** Just what is regarded as a 'waterway'? Right now it could involve small sloughs and/or creeks connecting to the larger fish bearing bodies of water.

### **Some of the major players:**

- **Washington Toxics Coalition** — They brought the lawsuit to court.
- **The EPA**—They were found to have violated obligations under the Endangered Species Act and ordered to consult on any of the 54 pesticides that may affect salmon with:
  - **The National Marine Fisheries Service** (NMFS) which is now known as NOAA Fisheries.
  - **The United States Fish and Wildlife Service** (USFW).
- **Some pesticide manufacturers**—They were directed to change their label on a number of pesticides to include much larger buffer zones and have gone to court to challenge the order to implement the label changes.

While complex, this is an issue that affects all growers either directly or indirectly.

- For Oregon Department of Ag information, [Click here](#).
- For Washington Department of Ag information, [Click here](#).

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## Label Changes (& related news)

This information is via Joe DeFrancesco, pesticide specialist with Oregon State University's Integrated Plant Protection Center. Thanks, Joe. For an online version of Joe's regularly updated comprehensive guide of pesticides labeled for Oregon and Washington blueberries, strawberries, raspberries, and blackberries, [Click here](#).

## All Crops

- **Pyrellin EC** (Organic Approved) Insecticide. Voluntary cancellation by registrant. Registrant to stop sales and distribution by May 2011. After May 2011, parties other than the registrant may sell and distribute. OK to use product until further notice.

## Blueberries

- **Stinger (clopyralid)** Herbicide. Label issued August 2010 (SLN/24c labels for OR and WA). Systemic, post-emergence herbicide. HRCC #4; same as 2, 4-D. Controls broadleaf weeds esp. Canada thistle, clover, dandelion. [Click here](#) for the Oregon label. [Click here](#) for the Washington label.
- **Rimon (novaluron)** Insecticide. Label issued February 2010. Insect Growth Regulator for control of lepidopteron larvae such as leafrollers and fruitworms. IRAC #15 (new chemistry for blueberries).
- **Sandea (halosulfuron)** Herbicide. Gowan Company just issued a supplemental label (1/27/11) for Sandea for use in blueberries. Sandea will be a nice addition in the herbicide toolbox, especially since it does such a good job of controlling yellow nutsedge (and broad leaf weeds, too).  
*Note from Joe D.: Japan and Canada don't yet have an MRL established for halosulfuron (Sandea). The EU and UK have an MRL of 0.01 ppm (USA = 0.05ppm).*
- **Endosulfan (Thiodan and Thionex)** Insecticide/miticide. Being phased out through a voluntary cancellation by registrant. Labeled for blueberry budmite which isn't even found in Oregon. After July 31, 2015, growers can't use it. O.K. up until then.
- **Ethrel (ethephon/ethylene)** Ethrel is labeled to "concentrate maturity of blueberries for easier and more efficient harvest". It's soon to undergo an EPA review and we could lose the registration. If you are using Ethrel and want to keep it as a tool, you might want to contact Joe DeFrancesco ([defrancj@science.oregonstate.edu](mailto:defrancj@science.oregonstate.edu), 541-737-0718) for further information.

## Raspberries and blackberries

- **Altacor (chlorantraniliprole)** (Rynaxypyr)-Insecticide. Label issued February 2010. Altacor has a unique mode of action that should be a good tool for resistance management in leafrollers. It's good for control of lepidopteron larvae such as leafrollers and fruitworms. There's some contact activity but mainly needs to be eaten by the target pest which then stops feeding immediately. It dies in 1-3 days. IRAC #28 insecticide (new chemistry for caneberries). There is a label change in progress that would allow it to be used as a drench for crown borer management but that presently is not a label use.
- **Danitol (fenpropathrin)** Insecticide. Label issued March 2010. IRAC #3A insecticide. Danitol is a synthetic pyrethroid in the same class as Asana, Brigade, Mustang, Pyganic and many others. As with many pyrethroids, it is broad-spectrum, can cause mite flare-ups, and should be rotated with another class of insecticide to inhibit the development of insect resistance.
- **Ziram 76DF-** Fungicide. Previously labeled for blackberries. The label has been voluntarily cancelled by registrant for lack of use. It still has a tolerance and can be used if you still have product.
- **Ethrel (ethephon/ethylene)** Ethrel is labeled is labeled to "concentrate maturity and loosen fruit, improving harvesting efficiency while reducing cane injury from mechanical harvest". It's soon to undergo an EPA review and we could lose the registration. If you are using Ethrel in blackberries and want to keep it as a tool, you might want contact Joe DeFrancesco ([defrancj@science.oregonstate.edu](mailto:defrancj@science.oregonstate.edu), 541-737-0718) for further information.

- **Nemacur**- A previously labeled nematicide for raspberries. The registration was cancelled 12/31/09.

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## Strawberries

- **Rimon (novaluron)**- Insecticide. Label issued February 2010. Insect Growth Regulator for control of lepidopteron larvae such as leafrollers and fruitworms. IRAC #15 (new chemistry for strawberries).
- **Fujimite (fenpyroximate)**- Insecticide/miticide. Label issued April 2010. Controls spider mites (also leafrollers and piercing/sucking insects). Most effective on immature mites and insects. After renovation and at high gallonage, it can be used for cyclamen mite management. IRAC #21A (new chemistry for strawberries).
- **Acramite (bifenazate)**- Miticide. Label issued January 2010. Controls all mobile stages of spider mites as well as some affect on spider mite eggs. Non-systemic, long-residual activity. IRAC #25 (new chemistry for strawberries).
- **Evito (fluoxastrobin)**- Fungicide. Label issued February 2010. Manages powdery mildew and anthracnose. Also provides suppression of Botrytis fruit rot. If soil applied, controls Rhizoctonia spp. FRAC#11 (same as: Abound, Cabrio, Flint, Pristine, Tanos).
- **Spartan (sulfentrazone)**- **Section 18 Registration**. Herbicide. Broadleaf weed control in OR and WA. EPA has granted Sec. 18 for the past 10 years. Three use periods are allowed. Need to use it before February 28. A full registration is pending and expected sometime in 2011.
- **Endosulfan (Thiodan and Thionex)**- Insecticide/miticide. Being phased out through a voluntary cancellation by registrant. This has been a standard for managing cyclamen mites and spittlebugs but is on its way out. After July 31, 2016, growers will not be able to use it. O.K. up until then.

## Meeting Information

For more comprehensive meeting schedule, [click here](#).

- **February 3 — Oregon Raspberry and Blackberry Commission meeting**~ 12 PM. Langdon Farms Golf Course, Aurora, OR. Contact [Rachel Denué](#) for more information.
- **February 8 — Washington Blueberry Commission meeting**~ All day grower meeting at WSU Mt. Vernon Station. To be simulcast to the WSU Prosser Research station. [Click here](#) for agenda. Contact [Alan Schreiber](#) 509-266-4300 for more information.
- **February 9 — Washington Blueberry Commission meeting**~ Mt. Vernon station. Contact [Alan Schreiber](#) 509-266-4300 for more information.
- **February 24 — Oregon Strawberry Commission Annual Growers meeting**~ TBA. North Willamette Research & Extension Center, Aurora, OR. 2009-2010 reports will be presented. Contact [Rachel Denué](#) for more information.
- **March 2 — ORBC Annual Pre-Production Workshop**~ Full day workshop at Wellspring, Woodburn, OR. 8.30-3:30, Contact Peerbolt Crop Management 503-289-7287, [info@peerbolt.com](mailto:info@peerbolt.com) for more information.
- **March 8 — Oregon Blueberry Commission meeting**~ noon. Budget Preparation. Santiam Room, West Salem Roth's IGA in Salem. Contact [Bryan Ostlund](#) for more information, or call 503-364-2944.

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## Crop work

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**All crops:** Scout for voles and treat as needed.

### Blueberries

- Pruning—finish up as soon as possible.
- Scout for winter moth/span worm and treat as needed.
- Scout for bud damage & determine cause.
- Dormant oil can be applied for scale and winter moth egg control.
- Can apply Casoron (dichlobenil) or Chateau for weed control.

### Blackberries

- Don't begin training down Marion berries until after threat of damaging cold weather is passed.
- Can apply Casoron (dichlobenil) for weed control. Especially good on quackgrass.

### Evergreen Blackberries

- Can apply a dormant spray of lime/sulfur or elemental sulfur in mid-February for Redberry mites.

### Raspberries

- Can apply Casoron (dichlobenil) for weed control. Especially good on quackgrass.

### Strawberries

- Can apply pre-emergent herbicides. Spartan (Sulfentrazone) needs to go on before the end of February.

## Archived Small Fruit Updates

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(For older Updates [click here.](#))

[01-19-11](#)

[01-04-11](#)

[11-23-10](#)

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