

Vegetable & Fruit Insecticide News for 2013-2014
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New products:

- **Madex HP** (*Cydia pomonella* granulosis virus isolate V22), for use on pome fruit, stone fruit for control of codling moth and oriental fruit moth. By Certis. August 2013.
- **Closer** (sulfoxaflor): for use on pome fruit, stone fruit, tree nuts, strawberry, grapes, brassica leafy vegetables, cucurbits, fruiting vegetables, leafy vegetables, root crops, for control of plant bugs, aphids, whiteflies. By Dow. May 2013.
- **Grandevo** (formerly MBI-203; *Chromobacterium subtsugae*, a beneficial bacterium), OMRI listed, for control of caterpillars, aphids, thrips, whiteflies, mites, leafhoppers, plant bugs, psyllids, mealybugs on asparagus, brassica leafy, bulb, sweet corn, cucurbits, fruiting vegetables, herbs, leafy vegetables, legumes, blueberry, brambles, strawberry, grape, pome fruit, stone fruit. By Marrone. May 2012.
- **PFR-97 20%WDG** (*Isaria fumosorosea*, a beneficial fungus), OMRI listed, for control of whitefly, aphids, thrips, mites, leafminers, plant bugs on foliage and beetle larvae and caterpillars in soil, on greenhouse food crops and outdoor sweet corn, leafy vegetables, melons, cucurbits, potato, beans, herbs, strawberries, plus nonbearing fruit trees and grapes. By Certis, 2012.

Products with registration expanded to additional crops:

- **Venom** and **Scorpion** (dinotefuran) now for use on peaches, grapes, onions (bulb and green), for control of stink bugs, leafhoppers, peachtree borer, plum curculio, thrips, leafminers, Colorado potato beetle, flea beetle, grape berry moth, mealybug, multicolored asian lady beetle.
- **Calypso** (thiacloprid) now for use on stone fruit (14-d PHI) for control of plum curculio, Japanese beetle, cherry fruit fly, aphids, and on peppers (7-d PHI) for control of aphids.
- **Portal** (fenpyroximate) now for use on stone fruit for control of mites and leafhoppers. 2013.

Name change:

- **Voliam Xpress** will be called **Besiege**. This is a pre-mix of lambda cyhalothrin and chlorantraniliprole, for use on sweet corn, legumes, and potatoes. Made by Syngenta.

Registration cancellations:

- **Calypso** (thiacloprid): voluntary cancellation announced 12/13/2013; State registrations will be maintained through 2016.
- **Guthion 50WP Solupak** (azinphos-methyl [AZM]): no use allowed after 9/30/2013.
- Phase-out of endosulfan (**Thionex**):

<i>End date for endosulfan use</i>	<i>Crop</i>
7/31/2012	Peach, plum, cherry, strawberry (annual), cabbage, kale, cucumbers, melons, summer squash, lettuce
7/31/2013	Pear
7/31/2015	Apple, blueberry, pepper, potato, pumpkin, sweet corn, tomato, winter squash
7/31/2016	Strawberry (perennial)

Important new pest: Spotted wing Drosophila

Tiny worms in ripe berries are the sign of infestation by this new pest that attacks healthy ripening fruit before harvest. It attacks blackberries, raspberries, cherries, blueberries, also peaches, grapes, strawberries. Controlled by Delegate (spinetoram), malathion, pyrethroids (Baythroid, Danitol, Mustang, Pounce, Asana, Warrior), as well as by prompt removal and destruction of all unharvested fruit. See additional details on website: http://bugs.osu.edu/welty/pdf/SWD_Ohio_handoutV12.pdf

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