

Vegetable & Fruit Insecticide News for 2015-2016
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New products:

- **Sivanto 200SL** (flupyradifurone, in IRAC group 4D), for systemic control of leafhoppers, aphids, whiteflies, squash bug, potato beetle, thrips, pear psylla, San Jose scale, blueberry maggot, mealybug on apples, pears, grape, blueberry, strawberry, Brassicas, cucurbits, fruiting veg, leafy veg, legumes, root veg, tuber/corm veg, hops. From Bayer. Registered January 2015.
- **Apta 1.31SC** (tolfenpyrad, in IRAC group 21A; same a.i. as in Torac for use on veg crops), for use on stone fruit for control of cherry fruit fly, leafhoppers, aphids, plum curculio, leafrollers; 14-day PHI. From Nichino America. April 2014.

Products with registration expanded to additional crops:

- **Oberon 2SC** (spiromesifen) is no longer prohibited from use in greenhouses and high tunnels. From Bayer.
- **Beleaf 50SG** (flonicamid, in IRAC group 9C) now for use on strawberries for control of plant bugs and aphids; 0-day PHI. From FMC. 2013.

Special Local Needs (24c) registration:

- **Hero** (zeta-cypermethrin and bifenthrin) for use on turnip greens in Ohio. From FMC. October 2015.

Formulation clarifications:

- **Venom 70SG** (dinotefuran) is marketed in our region, not Venom 72WDG or Venom SC.
- **Zeal 72 WSP** and **Zeal SC** (etoxazole) are marketed in our region, not Zeal 72WDG.
- **Platinum 75SG** (thiamethoxam) has replaced Platinum 2SC.
- **Agri-Mek 0.7SC** (abamectin) has replaced Agri-Mek 1.5EC.
- **Leverage 360** (cyfluthrin + imidacloprid) has replaced Leverage 2.7.

Product consolidations or renamings:

- The label for **Belt 4SC** (flubendiamide) now has all previous uses that were on the **Synapse WG** label.
- The label for **Admire Pro 4.6F** (imidacloprid) now has all previous uses that were on the **Provado** label.
- The label for **Brigade 2EC** (bifenthrin) now has all previous uses that were on the **Capture 2EC** label.
- **Besiege** (lambda-cyhalothrin + chlorantraniliprole) has replaced **Voliam Xpress**.

Registration cancellations:

- **Thionex (endosulfan)**: The only crop on which endosulfan is allowed is strawberries (perennial) but only until 7/31/2016. Uses on all other crops have been phased out over the past 4 years.
- **Calypso** (thiacloprid): voluntary cancellation announced 12/13/2013; State registrations will be maintained through 2016.
- **Closer** (sulfoxaflor, in IRAC group 4C, the sulfoximines): was registered May 2013 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. From Dow. Suspended Sept. 2015. All uses cancelled on 11/12/2015. Growers are allowed to use stocks on hand as per label.
- **Transform** (sulfoxaflor, in IRAC group 4C, the sulfoximines): was registered May 2013 for use on potatoes, beans, for control of aphids, plant bugs, stink bugs, whiteflies, scales, thrips. From Dow. Suspended Sept. 2015. All uses cancelled on 11/12/2015. Growers are allowed to use stocks on hand as per label.

New feature on labels:

Pollinator protection warnings: a bee hazard icon is found with directions for protecting pollinators.

New pests:

Spotted wing Drosophila: Tiny worms in healthy ripening berries indicate presence of this pest. Controlled by Delegate, Exirel, malathion, pyrethroids (MustangMax, Brigade, Baythroid, Danitol, Pounce, Asana, Warrior), Entrust. Details:
https://u.osu.edu/pestmanagement/files/2014/12/SWD_Ohio_handoutV14-1dmqcv7.pdf

Spotted lanternfly: detected in eastern PA in Sept 2014. Potential pest of grape, apples, peaches. Feeds by sucking on bark. One inch long, white marked with black spots on front half and fine black stripes on rear half.

Summary of Vegetable & Fruit Insecticide Changes, 2011-2015 (not including pre-mixes)

NEW REGISTRATIONS:

sweet corn
(none)

tomato, pepper, & eggplant

Sivanto (1/2015)
Exirel (1/2014)
Verimark (1/2014)
*Closer (5/2013)
Zeal (2011)

tomato only

Nealta (1/2014)

cucurbits

Sivanto (1/2015)
Exirel (1/2014)
Verimark (1/2014)
*Closer (5/2013)
Zeal (2/2008, 12/09,
2011)

Brassica head, stem & leafy

Hero (10/2015)
Sivanto (1/2015)
Exirel (1/2014)
Verimark (1/2014)
*Closer (5/2013)

beans & peas

Sivanto (1/2015)

beans only

*Transform (5/2013)

potato

Sivanto (1/2015)
Torac (1/2014)
Verimark (1/2014)
*Transform (5/2013)

onions

Exirel (1/2014)
Movento (2013)
Scorpion (2013)
Venom (2012)
Coragen (8/2011)

root veg (radish, beets, carrot)

Sivanto (1/2015)
*Closer (5/2013)
Coragen (8/2011)

lettuces, endive, spinach,
parsley (leafy veg.)

Sivanto (1/2015)
Torac (1/2014)
Exirel (1/2014)
Verimark (1/2014)
*Closer (5/2013)

herbs and/or mints
(none)

asparagus

(none)

strawberries

Sivanto (1/2015)
Nealta (1/2014)
Beleaf (2013)
*Closer (5/2013)
Synapse (3/11)
Zeal (2011)

brambles /caneberries

Zeal (2011)

blueberries

Sivanto (1/2015)
Exirel (1/2014)

grapes

Sivanto (1/2015)
Nealta (1/2014)
*Closer (5/2013)
Scorpion (2013)

apples & pears

Sivanto (1/2015)
Nealta (1/2014)
Exirel (1/2014)
Madex HP (8/2013)
*Closer (5/2013)

peach, plum, & cherry

Apta (4/2014)
Exirel (1/2014)
Madex HP (4/2013)
*Closer (5/2013)
Portal (2013)
Calypso (4/2013)
Scorpion (2013)
Venom (2012)

CANCELLATIONS:

tomato, pepper, eggplant,
cucurbits, Brassica, root veg.,
leafy veg., strawberries,
grapes apples, pears, peach,
plum, cherry
* Closer (11/2015)

beans, potato

* Transform (11/2015)

apple, blueberry, pepper,
potato, pumpkin, sweet corn,
tomato, winter squash

Endosulfan, Thionex
(7/31/2015)

apple, pear, cherry, parsley
Guthion (9/30/2013)

pear

Endosulfan, Thionex
(7/31/2013)

peach, plum, cherry,
strawberry (annual), cabbage,
kale, cukes, melons, summer
squash, lettuce

Endosulfan, Thionex
(7/31/2012)