

# Vegetable & Fruit Insecticide News for 2017-2018

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## New products:

- **Harvanta 50SL** (cyclaniliprole; IRAC group 28), for use on leafy veg, Brassica leafy veg, fruiting veg, and cucurbits, for control of caterpillars, dipteran leafminers, cucumber beetle, pepper weevil, some thrips, some aphids. Distributed by Summit Agro. Registered Sept. 2017.
- **Trident** (*B.t. tenebrionis*), for control of young larvae of Colorado potato beetle. OMRI. Made by Certis.
- **BeetleGONE!** (*B.t. galleriae*), for control of adults of Japanese beetle, green June beetle, Asiatic garden beetle, strawberry root weevil, pepper weevil. For organic production. Made by Phyllom BioProducts.
- **Magister SC** (fenazaquin; IRAC group 21) a miticide, for use on cherries (3-day PHI). Made by Gowan.
- **Isomate DWB**: mating disruption for dogwood borer on apple trees. Product has existed for several years but in our spray guide for first time this year. Made by Pacific Biocontrol.

## Products with registration expanded to additional crops:

- **Exirel** (cyantraniliprole, in IRAC group 28): foliar use now allowed on potatoes and other tubers, snap beans and other legumes, radish, carrot, and other root crops, greenhouse cucumbers, and strawberries. May 2017.
- **Verimark** (cyantraniliprole, in IRAC group 28): soil use now allowed on green onion, bulb onion, and other bulb vegetables, snap beans and other legumes, radish, carrot, and other root crops. May 2017.
- **Agri-Mek SC** (abamectin, in IRAC group 6): now for use on green onions, sweet corn, succulent beans, greenhouse tomatoes, caneberries. From Syngenta.
- **Agri-Mek 0.15EC** (abamectin, in IRAC group 6): now for use on all stone fruit. From Syngenta.

## Products with modified uses:

- **Belay** (clothianidin, in IRAC group 4A): No longer for use on tomato, peppers, eggplant, other fruiting veg. For cucurbits: do not apply after 4th true leaf on main stem is unfolded. For potato: do not apply between 50% row closure and petal fall, and do not make more than 1 application per year prior to 50% row closure. For grapes: new limit of 1 application per year. From Valent. April 2017.
- **Intrepid 2F** (methoxyfenozide, in IRAC group 18): supplemental label for grapes has PHI still 30 days when high rate is used; PHI now 21 days if low rate is used. Supplemental label for caneberries has PHI reduced from 7 days to 3 days. From Dow.
- **Nexter** (pyridaben, in IRAC group 21A): pre-harvest interval differs by formulation. For the 3.75SC formulation, PHI is 10 days for pome fruit, stone fruit, grapes, and strawberries. For the 75WP formulation, PHI is 7 days for pome fruit, stone fruit, and grapes, and 1-day for strawberries. From Gowan.

## Registration cancellations or deletions:

- **Belt SC** (flubendiamide, in IRAC group 28) and the former **Synapse WG** (flubendiamide), made by Bayer, and **Tourismo** (flubendiamide + buprofezin), made by Nichino: cancelled August 2016. Distributors allowed to sell remaining inventory. Growers permitted to use product consistent with label use directions.
- **Thionex, Thiodan (endosulfan)**: No longer for use on any crop; final use allowed was strawberries (perennial) which ended on 7/31/2016. Uses on all other crops have been phased out over the previous 4 years. Take all remaining product to ODA organized pesticide disposal collection site.
- **Calypso 4F** (thiacloprid): voluntary cancellation was announced by Bayer on 12/13/2013; State registrations are being phased out; is still registered in Ohio for 2018.

**New pests:** no pests brand new to Ohio this year, but several emerging pests are a concern some Ohio growers.

- **Silverleaf whitefly:** on outdoor tomato, squash, beans, lettuce. Tiny immatures cover leaf undersides.
- **Pepper weevil:** on outdoor peppers. Small grubs inside fruit.
- **Black stem borer:** small beetle under bark of young apple trees under stress from cold or flooding.
- **Western bean cutworm:** on sweet corn. Similar to corn earworm but with many worms per ear.
- **Spotted wing drosophila:** on raspberries, blackberries, blueberries. Small worms in ripening fruit.
- **Brown marmorated stink bug:** on peach, apple, raspberry, sweet corn, pepper, tomato. Causes blotches on surface of fruit and corky brown tissue beneath surface; deforms kernels, seeds.

**Summary of Vegetable & Fruit Insecticide Changes, 2013-2017 (not including pre-mixes)**

**NEW REGISTRATIONS:**

sweet corn

Agri-Mek SC (2017)

tomato, pepper, & eggplant

Harvanta (9/2017)

Trident (11/2016)

Closer (5/2013; 10/2016)

Sivanto (1/2015)

Exirel (1/2014)

Verimark (1/2014)

tomato only

Nealta (1/2014)

cucurbits

Harvanta (9/2017)

Sivanto (1/2015)

Exirel (1/2014)

Verimark (1/2014)

Brassica head, stem & leafy

Harvanta (9/2017)

Closer (5/2013; 10/2016)

Hero (10/2015)

Sivanto (1/2015)

Exirel (1/2014)

Verimark (1/2014)

beans & peas

Exirel (5/2017)

Verimark (5/2017)

Agri-Mek SC (2017)

Sivanto (1/2015)

beans only

Transform (5/2013; 10/2016)

root veg (radish, beets, carrot)

Exirel (5/2017)

Verimark (5/2017)

Transform (5/2013; 10/2016)

Sivanto (1/2015)

potato

Trident (11/2016)

Exirel (5/2017)

Transform (5/2013; 10/2016)

Sivanto (1/2015)

Torac (1/2014)

Verimark (1/2014)

onions

Exirel (1/2014; 5/2017)

Verimark (5/2017)

Agri-Mek SC (2017)

Movento (2013)

Scorpion (2013)

lettuces, endive, spinach,

parsley (leafy veg.)

Harvanta (9/2017)

Closer (5/2013; 10/2016)

Sivanto (1/2015)

Torac (1/2014)

Exirel (1/2014)

Verimark (1/2014)

herbs and/or mints

(none)

asparagus

(none)

strawberries

Exirel (5/2017)

Sivanto (1/2015)

Nealta (1/2014)

Beleaf (2013)

brambles /caneberries

Agri-Mek SC (2017)

Sivanto (9/2016)

blueberries

Sivanto (1/2015)

Exirel (1/2014)

grapes

Closer (5/2013; 10/2016)

Sivanto (1/2015)

Nealta (1/2014)

Scorpion (2013)

peach, plum, & cherry

Agri-Mek (2017)

Closer (5/2013; 10/2016)

Sivanto (9/2016)

Apta (4/2014)

Exirel (1/2014)

Madex HP (4/2013)

Portal (2013)

Scorpion (2013)

cherries

Magister (1/2016?)

apples & pears

Closer (5/2013; 10/2016)

Sivanto (1/2015)

Nealta (1/2014)

Exirel (1/2014)

Madex HP (8/2013)

All crops

BeetleGONE! (2016?)

**CANCELLATIONS:**

tomato, peppers, eggplant

Belay (4/2017)

pome fruit, stone fruit, grape,

strawberry, sweet corn,

Brassica, fruiting veg, leafy

veg, legume veg, cucurbits

Belt (8/2016)

pome fruit, stone fruit, grape

Tourismo (8/2016)

strawberry (perennial)

Endosulfan, Thionex

(7/31/2016)

cucurbits, strawberries

Closer (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)