

Vegetable & Fruit Insecticide News for 2016-2017

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New products:

- **Trident** (*B.t. tenebrionis*), for control of young larvae of Colorado potato beetle. OMRI. Made by Certis.
- **BeetleGONE!** (*B.t. galleriae*), for control of adult and larvae of Japanese beetle, pepper weevil, Asiatic garden beetle. For organic production. Made by Phyllom BioProducts.
- **Omega 500F** (fluazinam) is primarily a fungicide but it also kills spider mites, for use on apples (28-day PHI). Made by Syngenta.

Products with re-established registration:

- **Closer SC** (sulfoxaflor, in IRAC group 4C, the sulfoximines): registration reestablished 10/14/2016. Was registered May 2013, use was suspended in Sept. 2015, all uses cancelled on 11/12/2015. Now for use on pome fruit, stone fruit, grapes, brassica vegetables, fruiting vegetables, leafy vegetables, leaves of root and tuber crops, for control of plant bugs, aphids, leafhoppers, whiteflies. Former label had strawberries and cucurbits but these are not on the new label. Can not be used until after petal-fall on fruit crops. Made by Dow.
- **Transform WG** (sulfoxaflor): registration reestablished 10/14/2016. Had been registered May 2013, but use was suspended in Sept. 2015, then all uses cancelled on 11/12/2015. For use on potatoes, root and tuber crops (radish, celeriac, beet, carrot), and beans, for control of aphids, leafhoppers, plant bugs, whiteflies. Made by Dow.

Products with registration expanded to additional crops:

- **Sivanto Prime** (flupyradifurone, in IRAC group 4D; 1.67 lb AI/gal): foliar use now allowed on stone fruit, caneberries, turnip greens. Soil application now allowed on Brassica crops, leafy vegetables, and turnip greens. From Bayer. September 2016.
- **Agri-Mek SC** (abamectin): now for use on green onions. From Syngenta.

Product consolidations or renamings:

- **Sivanto Prime** (flupyradifurone, in IRAC group 4D; 1.67 lb AI/gal) has replaced Sivanto 200SL (1.67 lb AI/gal), 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. Stone fruit and caneberries added Sept. 2016.
- **Portal XLO** (0.4EC) has replaced Portal (0.4EC). For control of two-spotted spider mite, European red mite, broad mite, cyclamen mite, tomato russet mite, pear rust mite, pear psylla, leafhoppers, whiteflies. Peaches, potato, beans, and cucumbers now on main label, not on supplemental labels. Also for use on pome fruit, grapes, strawberries, hops, fruiting veg, melons, mint. By Nichino.

Registration cancellations or deletions:

- **Belt SC** (flubendiamide) and the former **Synapse WG** (flubendiamide), made by Dow, 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 2017.
- **Carzol SP** (formetanate hydrochloride) is being deleted from our spray guides; its use now restricted to nectarines in the Pacific NW.
- **Applaud** (buprofezin), an insect growth regulator, is being deleted from our spray guide for grapes; it still exists but not registered in Ohio or most other northern States. Made by Nichino America.
- **Courier SC** (buprofezin), an insect growth regulator, is being deleted from our spray guides; it still exists and is registered in Ohio but not in most other northern States that share our spray guide. For use on strawberries, beans, Brassica, cucurbits, fruiting veg., leafy veg. Made by Nichino America.

New pests: no pests brand new to Ohio this year, but three continue to spread to new areas within Ohio:

- **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.
- **Western bean cutworm:** on sweet corn. Similar to corn earworm but with many worms per ear.

Summary of Vegetable & Fruit Insecticide Changes, 2012-2016 (not including pre-mixes)

NEW REGISTRATIONS:

sweet corn
(none)

tomato, pepper, & eggplant
Closer (5/2013; 10/2016)
Sivanto (1/2015)
Exirel (1/2014)
Verimark (1/2014)

tomato only
Nealta (1/2014)

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

Brassica head, stem & leafy
Closer (5/2013; 10/2016)
Hero (10/2015)
Sivanto (1/2015)
Exirel (1/2014)
Verimark (1/2014)

beans & peas
Sivanto (1/2015)

beans only
Transform (5/2013; 10/2016)

root veg (radish, beets, carrot)
Transform (5/2013; 10/2016)
Sivanto (1/2015)

potato
Transform (5/2013; 10/2016)
Sivanto (1/2015)
Torac (1/2014)
Verimark (1/2014)

onions
Exirel (1/2014)
Movento (2013)
Scorpion (2013)
Venom (2012)

lettuces, endive, spinach,
parsley (leafy veg.)
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
Sivanto (1/2015)
Nealta (1/2014)
Beleaf (2013)

brambles /caneberries
Sivanto (9/2016)

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

grapes
Closer (5/2013; 10/2016)
Sivanto (1/2015)
Nealta (1/2014)
Scorpion (2013)

apples & pears
Closer (5/2013; 10/2016)
Sivanto (1/2015)
Nealta (1/2014)
Exirel (1/2014)
Madex HP (8/2013)

peach, plum, & cherry
Closer (5/2013; 10/2016)
Sivanto (9/2016)
Apta (4/2014)
Exirel (1/2014)
Madex HP (4/2013)
Portal (2013)
Calypso (4/2013)
Scorpion (2013)
Venom (2012)

CANCELLATIONS:

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)

peach, plum, cherry,
strawberry (annual), cabbage,
kale, cukes, melons, summer
squash, lettuce
Endosulfan, Thionex
(7/31/2012)

- C. Welty, 10/31/2016