

## BC Tree Fruit Production Guide Updates Spring 2021

### Insecticides

**Danitol** (fenpropathrin), Reg# 33817, Group 3

Stone fruit – Spotted wing drosophila

Rate: 779 – 1559 mL/ha, 315 – 613 mL/acre

Maximum 1 application per year

Requires a vegetative filter strip if the buffer strip falls 10 metres to a riparian area

*Restricted Entry Intervals (REI) and/or Pre-harvest interval (PHI):*

Thinning	23 days
Hand harvesting, mechanically assisted harvesting	16 days
Scouting, hand pruning	7 days
Mechanical harvesting of stone fruit	3 days
All other activities	24 hours

**Vayego** (tetraniliprole), Reg# 33711, Group 28

Crop	Pest	Amount mL/ha (mL/ac)
Pome fruits	Codling moth, Obliquebanded leafroller	225 (91)
	Aphids (suppression)	150 (61)
	Mullein bug (suppression)	300 (121)
Stone fruits	Obliquebanded leafroller, Peach twig borer	225 (91)
	Aphids (suppression)	150 (61)

Restricted Entry Interval (REI): 12 hours

Minimum re-application interval: 7 days

Pre-harvest interval (PHI): 7 days (pome fruit), 5 days (stone fruit)

Maximum number of applications per year: 3

Toxic to bees. Do not apply during pre-bloom or blooming period. Apply post-bloom only.

## Insecticides (continued)

**Cormoran** (acetamiprid + novaluron), Reg# 33353, Group 4 + 15

<b>Crop</b>	<b>Pest</b>	<b>Amount mL/ha (mL/ac)</b>
Apple	Green fruitworms	1050 (425)
	Aphids	700 – 1050 (283 - 425)
	Codling moth	1050 – 1260 (425 - 510)
	Mullein bug	840 – 1260 (340 - 510)
Cherry	Cherry fruit flies	2100 (850)

Restricted Entry Interval (REI):

- Apple: 7 days for thinning, 12 hours for all other activities
- Cherry: 6 days for thinning, 12 hours for all other activities

Minimum re-application interval:

- Apple: 12 days; Cherry: 10 days

Pre-harvest interval (PHI):

- Pome fruit: 14 days; Stone fruit: 7 days

Maximum number of applications or amount of product applied per year:

- Cherry: 4 applications
- Apple: 6.9 L/ha

**Beleaf** (flonicamid), Reg# 29796, Group 29

Label rate changes for aphid control on stone fruit

- New rate: 120 – 200 g/ha (old rate: 120 – 160 g/ha)

Minimum application interval: 7 days

REI: Hand thinning -3 days, all other activities – 12 hours

PHI: 14 days

Maximum 3 applications per year

## Fungicides

**Velum Prime** (fluopyram), Reg# 32108, Group 7

Pome Fruit and Stone Fruit: Soil-dwelling, root-feed nematodes (juveniles, adults)

Rate: 500 mL/ha (202 mL/ac)

Application interval: 30 days

Maximum application: do not apply more than 500 g/ha per year

Requires a vegetative filter strip for aquatic areas

Nematode information is in the “Pests/ Nematodes/ General Information” section of the guide

## **Fungicides (continued)**

### **Miravis Duo** (pydiflumetofen + difenoconazole), Reg# 33206, Groups 7 + 3

Crops: Stone fruit

Diseases controlled: Brown rot, blossom blight, and fruit rot (*Monilinia* spp.)

Rate: 1.0 L/ha (405 mL/ac)

Timing: begin applications prior to disease establishment

Application interval: 7 – 14 days

REI: 12 hours

PHI: 0 day

Maximum applications per year: 2

### **Merivon** (pyraclostrobin + fluxapyroxad), Reg# 33951, Groups 7 + 11

Pome fruit: Powdery mildew, Apple scab, Pear scab

Stone fruit: Brown rot, Powdery mildew

Rate: 0.3 – 0.4 L/ha (0.12 – 0.16 L/ac)

Application interval: 7 – 14 days

REI's:

Pome fruit: Hand thinning – 12 days, Hand harvesting – 5 days, Mechanical harvesting and all other activities – 12 hours

Stone fruit: Hand thinning – 12 days, Hand harvesting – 1 day, Mechanical harvesting and all other activities – 12 hours

PHI: 0 day

Maximum applications per year: 3

## **Growth Regulator**

### **Retain**

- added "Retain – Extend Flower Viability in Cherries" to the "Horticulture/Spray Thinning, Growth Regulators" section of the guide.

## **Publication**

### **Air Blast Sprayers**

- added information on how to purchase the "Airblast 101, 2<sup>nd</sup> edition publication" to the "Resources" section of the guide.