

## New Products for Berry Crops 2016

Compiled by Shelby Jones and Pam Fisher, OMAFRA

Source: OMAFRA publication #360, Guide to Fruit Production, 2016-2017. Please verify details on product label before use.



Product / Active Ingredient	Reg. # Group Registrant	Crop or Crop Group	Control or Suppression	Pest	Preharvest Interval	Minimum Re-entry	Bee toxicity	Comments
<b>Actara 25 WG</b> thiamethoxam 25%	Reg. #28408 Group 4 SYZ	Strawberry	Control	Black vine weevil larvae and adults	3 days	12 hours	Highly toxic	Apply postharvest only for larvae.
			Suppression	Strawberry root weevil larvae				
<b>Agri-mek SC</b> abamectin 84 g/L	Reg. #31607 Group 6 SYZ	Blackberry, Raspberry	Control	Two-spotted spider mite	postharvest	12 hours	Highly toxic	New formulation, new rates Controls adults, nymphs
		Strawberry	Control	Cyclamen mite, Two-spotted spider mite	3 days	12 hours		
<b>Altacor</b> chlorantraniliprole 35%	Reg. #28981 Group 28 DUQ	Raspberry	Control	Raspberry cane borer Raspberry crown borer	3 days	12 hours	Relatively non-toxic	Use instead of diazinon for crown borer. Drench at base of crown in spring or fall. For cane borers, spray when adults are active (mid-July)
<b>Apogee</b> prohexadione calcium 27.5%	Reg. #28042  BAZ	Strawberry	-	Runners	21 days	12 hours	Relatively non-toxic	Plant growth regulator for runner suppression
<b>Beleaf 50 SG</b> flonicamid 50%	Reg. #29796 Group 9 FMC	Strawberry	Control	Aphids	0 days	12 hours	Relatively non-toxic	IPM friendly, safe to beneficials. Aphids stop feeding in 30 minutes but may die slowly Translaminar. Up to 30 days residual.
<b>Bravo ZN</b> chlorothalonil 500 g/L	Reg. #28900 Group M SYZ	Blueberry	Control	Anthraxnose fruit rot Phomopsis	54 days	48 hours	Relatively non-toxic	Formulation and rate change
		Strawberry	Control	Botrytis grey mould	30 days	48 hours		
<b>Capture 240 EC</b> bifenthrin 240 g/L	Reg. #31396 Group 3A FMC	Raspberry	Control	Earwigs, Obliquebanded leafroller, Weevils	3 days	12 hours	Highly toxic	A pyrethroid insecticide, very toxic to beneficial insects and mites. Used in the USA (known as Brigade) for a wide variety of pests.
<b>Cueva</b> copper octanoate 1.8%	Reg. #31825 Group M ENG	Strawberry	Control	Powdery mildew	1 day	4 hours	Relatively non-toxic	Percent Cueva in spray solution is important.
<b>Delegate</b> spinetoram 25%	Reg. #28778 Group 5 DWE	Caneberries	Control	SWD	1 day	12 hours	Highly toxic	Now fully registered for SWD.
		Blueberry and other bushberries			3 days	12 hours		
		Strawberry			1 day	12 hours		
<b>Double Nickel 55</b> <i>Bacillus amyloliquefaciens</i> 5x10 <sup>10</sup> spores/g	Reg. # 31888 Group 44 CIT	Strawberry	Suppression	Botrytis grey mould, Powdery mildew	—	when dry	Relatively non-toxic	Biopesticide. Active ingredient colonizes plant parts and helps prevent disease organisms from becoming established and triggers plant defences. Organic certification in progress.
<b>Entrust</b> spinosad 240 g/L	Reg. #30382 Group 5 DWE	Blackberry, Raspberry	Control	SWD	1 day	12 hours	Highly toxic	Now fully registered for SWD. May be acceptable to organic certifiers.
		Blueberry, Bushberries			3 days	when dry		
		Strawberry			1 day	12 hours		
<b>Exirel</b> cyantraniliprole 100 g/L	Reg. #30895 Group 28 DUQ	Blueberry Bushberries	Control	Japanese beetle, leafrollers (including OBLR) and spanworms, SWD, weevil adults	3 days	12 hours	Highly toxic	See product label for numerous tank-mix restrictions.

## New Products for Berry Crops 2016

Compiled by Shelby Jones and Pam Fisher, OMAFRA

Source: OMAFRA publication #360, Guide to Fruit Production, 2016-2017. Please verify details on product label before use.

Product / Active Ingredient	Reg. # Group Registrant	Crop or Crop Group	Control or Suppression	Pest	Preharvest Interval	Minimum Re-entry	Bee toxicity	Comments
<b>Fontelis</b> penthiopyrad 200 g/L	Reg.#30331 Group 7 DUQ	Strawberry	Control	Botrytis	0 days	12 hours	Relatively non-toxic	See product label for numerous tank-mix restrictions. Do not tank-mix with oil sensitive products such as captan, bravo, sulphur.
<b>Fracture</b> blad polypeptide 20%	Reg. #31782 Not Classified FMC	Strawberry	Suppression	Botrytis grey mould, Powdery mildew	0 days	12 hours	Relatively non-toxic	Contact biopesticide. Active ingredient coats and alters cell wall structure of fungal pathogens.
<b>Fullback125 SC</b> flutriafol 125.08 g/L	Reg. #31679 Group 3 FMC	Strawberry	Control	Powdery mildew	8 days	12 hours	Moderately toxic	Use with a non-ionic surfactant at 2.5 L/1,000 L water (0.25% v/v).
<b>Imidan 70-WP Instapak</b> phosmet 70%	Reg. #29064 Group 1B UAG	Blueberry	Control	Japanese beetle adults, Spotted wing drosophila, Blueberry maggot	15 days	3 days general re-entry 15 days for pick your own harvest	Highly toxic	New registration for SWD on blueberries, but long preharvest interval. Perhaps 2+ weeks before harvest, when berries start to turn colour.
<b>Indar</b> fenbuconazole 75%	Reg. #27294 Group 3 DWE	Blueberry	Control	Mummy berry	30 days	12 hours	Relatively non-toxic	One of 8 Group3 fungicides registered for mummyberry.
<b>Intrepid</b> methoxyfenozide 240 g/	Reg. #27786 Group 18 DWE L	Raspberry	Control	Obliquebanded leafroller	3 days	12 hours	Relatively non-toxic	Insect growth regulator. Affects hatching eggs and larvae as they moult.
<b>Kenja 400 SC</b> isofetamid 400 g/ L	Reg. #31758 Group 7 ENG	Strawberry	Control	Botrytis grey mould	0 days	12 hours	Relatively non-toxic	One of 4 Group7 fungicides registered on strawberries. Not all Group 7 have same activity.
<b>Luna Tranquility</b> fluopyram 125 g/l plus pyrimethanil 375 g/l	Reg.#30510 Group 7 + 9 BCZ	Blueberry and bushberries	Control	Botrytis Powdery mildew	0 days except 7 days for gooseberry	12 hours	Relatively non-toxic	-
		Caneberries	Control	Botrytis Powdery mildew	0 days			
		Strawberry		Botrytis Powdery mildew	1 day			
<b>Nealta</b> cyflumetofen 200 g/L	Reg. #31284 Group 25 BAZ	Strawberry	Control	Two-spotted spider mite	1 day	12 hours	Relatively non-toxic	Active on all life stages, including eggs, nymphs and adults
<b>Nova</b> myclobutanil 40%	Reg. #22399 Group 3 DWE, UAG	Blackberry, Raspberry	Control	Powdery mildew, Yellow rust	6 days	12 hours <sup>5</sup> / 6 days <sup>6</sup>	Relatively non-toxic	<sup>5</sup> General re-entry. <sup>6</sup> Hand training, tying and hand harvest.  Label changes for re-entry for all uses.
		Currant, Gooseberry	Control	Powdery mildew, White pine blister rust				

## New Products for Berry Crops 2016

Compiled by Shelby Jones and Pam Fisher, OMAFRA

Source: OMAFRA publication #360, Guide to Fruit Production, 2016-2017. Please verify details on product label before use.

Product / Active Ingredient	Reg. # Group Registrant	Crop or Crop Group	Control or Suppression	Pest	Preharvest Interval	Minimum Re-entry	Bee toxicity	Comments
<b>Purespray Green Spray Oil 13 E</b> mineral oil 99%	Reg. #27666 Not Classified PCU	Blackberry, Raspberry	Suppression	Powdery mildew, Two-spotted spider mite	—	12 hours	Relatively non-toxic	A summer oil. May be acceptable to organic certifiers. Potential for phytotoxicity, especially around captan, bravo or sulphur products.
		Strawberry	Suppression	Powdery mildew, Two-spotted spider mite	—	12 hours		
<b>Quadris Flowable</b> azoxystrobin 250 g/L	Reg. #26153 Group 11 SYZ	Strawberry	Suppression	Black root rot	1 day	12 hours	Relatively non-toxic	New preharvest interval. Apply high volume spray to soil and root zone. Can be applied with drip irrigation equipment
<b>Quilt</b> azoxystrobin 75 g/L + propiconazole 125 g/L	Reg. #28328 Group 3+11 SYZ	Blueberry	Control	Anthraco nose fruit rot , Mummy berry	30 days	12 hours	Relatively non-toxic	-
<b>Regalia Maxx</b> <i>Reynoutria sachalinensis</i> extract 20%	Reg. #30199 Group P5 ENG	Blueberry	Suppression	Anthraco nose fruit rot, Botrytis twig and blossom blight, Botrytis grey mould, Mummy berry	0 days	when dry	Relatively non-toxic	Plant extract, triggers plant defences. Will also suppress alternaria fruit rot in blueberry. May be acceptable to organic certifiers.
		Strawberry	Suppression	Powdery mildew	0 days	when dry		
<b>Sercadis</b> fluxapyroxad	Reg. #31697 300 g/L Group 7 BAZ	Blackberry, Raspberry	Suppression / Control	Botrytis grey mould, Raspberry leaf spot, Septoria leaf spot	0 days	12 hours	Relatively non-toxic	Suppression only for botrytis, control for leaf spot and powdery mildew in strawberries.
		Blueberry and bushberries	Suppression	Botrytis twig and blossom blight, Botrytis grey mould Septoria leaf spot	0 days	12 hours		
		Strawberry	Suppression / Control	Botrytis grey mould, Powdery mildew	0 days	12 hours		
<b>Serenade OPTI</b> <i>Bacillus subtilis</i> strain QST 713 1.31 x 1010 CFU/g	Reg. #31666 Group 44 BCZ	Blackberry, Raspberry	Suppression	Botrytis grey mould	0 days	when dry	Relatively non-toxic	Biopesticide. Another version of Serenade Max. Active ingredient colonizes plant parts and helps prevent disease organisms from becoming established.
		Blueberry	Suppression	Botrytis twig and blossom blight, Bacterial blight, Botrytis grey mould, Mummy berry	0 days	when dry		
		Strawberry	Suppression	Botrytis grey mould	0 days	when dry		
<b>Sivanto</b> flupyradifurone 200 g/L	Reg.#31452 Group 4D BCZ	Bushberry Strawberry	Control	Aphids Blueberry maggot Leafhoppers	3 days- bushberries 0 days – strawberries	12 hours		Do no use on same field in two consecutive years
<b>Success</b> spinosad 480 g/	Reg. #26835 Group 5 DWE L	Blackberry, Raspberry	Control	SWD	1 day	when dry	Highly toxic	Now fully registered for spotted wing drosophila (SWD).
		Blueberry and bushberries	Control	SWD	3 days	when dry		
		Strawberry	Control	SWD	1 day	when dry		

## New Products for Berry Crops 2016

Compiled by Shelby Jones and Pam Fisher, OMAFRA

Source: OMAFRA publication #360, Guide to Fruit Production, 2016-2017. Please verify details on product label before use.

Product / Active Ingredient	Reg. # Group Registrant	Crop or Crop Group	Control or Suppression	Pest	Preharvest Interval	Minimum Re-entry	Bee toxicity	Comments
<b>Switch 62.5 WG</b> cyprodinil 37.5% + fludioxonil	Reg. #28189 Group 9+12 SYZ 25%	Currant, Gooseberry Bushberry	Control	Botrytis grey mould	1 day	12 hours	Relatively non-toxic	Label expanded to include bushberries
<b>Tilt 250 E</b> propiconazole 250 g/L	Reg. #19346 Group 3 SYZ	Blueberry	Control	Mummy berry	60 days	12 hours	Relatively non-toxic	Product formerly known as Topas, renamed. same use pattern and active ingredient as Bumper, Jade
		Blackberry, Raspberry	Control	Yellow rust	38 days			
		Saskatoon-juniper rust, Entomosporium leaf and berry spot	Control	Common leaf spot	30 days			
<b>Timorex Gold</b> tea tree oil	Reg.#30910 Group 46 Stockton ENG	Blueberry	Control	Botrytis	2 days	4 hours	Relatively non-toxic	Excessive rates can cause phytotoxicity. See label for precautions re compatibility. May be acceptable to organic certifiers.
		Strawberry	Control	Botrytis				
			Suppression	Powdery mildew				
		Raspberry	Control	Botrytis				

CODE	Registrant or Distributor
BAT	Bartlett, N.M. Inc
BAZ	BASF Canada Inc.
BCZ	Bayer Crop Science Inc.
CIT	Certis USA
DUQ	EI Dupont Company
DWE	Dow AgroSciences Canada
ENG	Engage Agro Corporation
FMC	FMC Corporation
PCV	Petro-Canada Lubricants
STG	Stockton Group
SYZ	Syngenta Canada Inc
UAG	United Agri Products Canada Inc.