

## Pest Control Product Summary Table- Blueberry 2026

The information in these tables is a summary of the blueberry content in the [Ontario Crop Protection Hub \(Hub\)](#) and product labels. Before applying any pest control product, always review the most current version of the product label. Links to product labels can be found under the product entry in the Hub. Refer to the Hub or the product label for more details including use precautions, resistance management strategies and blueberry-specific comments. Use products only for pests listed on the label for blueberry. Refer to the Hub for pest efficacy.

**Table 1. Summary of insecticides and miticides registered for use on blueberries for common pests.** For other pest not listed below (scale insects, plum curculio, white grubs) please refer to the HUB. Products are sorted by IRAC group. Entries listed as 'HUB' indicate information is too detailed to include in this table. Refer to the Hub for full details.

BM=Blueberry maggot. Fruitworm=cherry & cranberry fruitworm. JB=Japanese beetle adults. SWD= Spotted wing drosophila.

Bee Toxicity: N=Non toxic. S= slightly toxic. M=moderately toxic. V=Very toxic. I= irritant. U= unknown. NA= information is not specified on label.

**Do not apply insecticides while blueberries are in bloom. Do not spray when bees and beneficials are active. See HUB for more details.**

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>						Comments
								Aphid	BM	Fruitworm	Leafroller	JB	SWD	
Sevin XLR	carbaryl	1A	5 days/9 days <sup>2</sup>	9	2	V	4 L/ha		X	X				Registered for cranberry fruitworm.
Cygon 480-AG	dimethoate	1B	12	21	2	V	830 mL/ha		X					Do not use on crops destined for U.S. markets. Residual activity is 10–12 days.
Diamante	dimethoate	1B	12	21	2	V	830 mL/ha		X					
Lagon 480 E	dimethoate	1B	12 hr/9 days <sup>3</sup>	21	2	V	830 mL/ha		X					
Imidan WP	phosmet	1B	HUB	17	1	V	1.6 kg/ 1000 L water/ha		X			X	X	
Malathion 85 E	Malathion	1B	12/24/48 <sup>4</sup>	2	3	V	550 mL/1000 L water/ha		X	X				The rate for cherry fruitworm is 550 mL/1000L water/ha. The rate for cranberry fruitworm is 1L/1000L water/ha.
							1 L/1000 L water/ha			X				
							1-2.5 L/ha						X	
Danitol	fenpropathrin	3	HUB	15	2	V	0.779-1.169 L/ha		X	X		X	X	Registered for cherry fruitworm.
Pyganic EC 1.4 II	pyrethrins	3	12	0	8	V	2.32-4.65 L/ha	X						For best results, use high rate, adjust spray solution to pH of 5.5–7.0, and apply promptly after mixing.
Up-Cyde 2.5 EC	cypermethrin	3	12	2	2	V	245-285 mL/ha						X	
Aceta 70 WP	acetamiprid	4A	12/48 <sup>5</sup>	7	2	M	136-160 g/ha		X					Maximum 2 applications of products from Group 4A per season.
							160 g/ha			X				
							56-86 g/ha	X						
136-160 g/ha		X												
Assail 70 WP	acetamiprid	4A	12/48 <sup>5</sup>	7	2	M	160 g/ha			X				
							56-86 g/ha	X						
							136-160 g/ha		X					
							80 g/ha					X		

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>						Comments
								Aphid	BM	Fruitworm	Leafroller	JB	SWD	
Cormoran	acetamiprid + novaluron	4A+15	12	8	3	V	750 mL/ha	X						Maximum 2 applications of products from Group 4A per season. Some phytotoxic symptoms to foliage may be observed when Cormoran is applied to blueberries under conditions of high temperatures and/or drought stress. Such phytotoxic symptoms will not occur on future growth, and will not affect fruiting or yields.
							1.2-1.4 L/ha		X					
							1.4 L/ha			X			X	
							700 mL/ha					X		
Closer	sulfoxaflor	4C	12	1	HUB	V	100-200 mL/ha	X						
Sivanto Prime	flupyradifuron e	4D	12	3	2 L/ha	M	500-750 mL/ha	X					Where possible, rotate with products outside of Group 4.	
							0.75-1 L/ha		X					
Delegate	spinetoram	5	12	1/3 <sup>6</sup>	3	V	100-200 g/ha				X			
							315-420 g/ha							X
Entrust	<i>spinosad</i>	5	When dry	1/3 <sup>6</sup>	3	V	219-440 mL/ha		S					
							267-364 mL/ha				X			
							334-440 mL/ha							X
Success	spinosad	5	When dry	1/3 <sup>6</sup>	3	V	110-220 mL/ha		S					
							145-182 mL/ha				X			
							165-220 mL/ha							X
GF-120 Fruit Fly Bait	spinosad bait	5	When dry	NA	5	V	1.5 L/ha		X				See <a href="#">HUB</a> or label for application directions.	
Scorpio Ant and Insect Bait	spinosad	5	12	1	3	V	35-45 kg/ha					S	This is a different use pattern than other insecticides registered for spotted wing drosophila control and there is limited commercial experience with this product in Ontario. See <a href="#">HUB</a> or label for application directions.	
Bioprotec PLUS	<i>Bacillus thuringiensis subsp. kurstaki</i>	11	4 hr/when dry	0	4	N	0.9-1.8 L/ha			X	X		Acidify spray mix to below pH 7.0 and apply on cloudy days or in the evening.	
Dipel 2X DF	<i>Bacillus thuringiensis subsp. kurstaki</i>	11	4 hr/when dry	0	4	N	1.68 kg/ha			X				
							525-1125 g/ha				X			

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>						Comments	
								Aphid	BM	Fruitworm	Leafroller	JB	SWD		
Rimon 10 EC	novaluron	15	12	8	3	M	1.35-2 L/ha			X					
Confirm	tebufenozide	18	12	14	4.6 L/ha	N	1.2 L/ha			X					
							1 L/ha				X				
Intrepid	methoxyfenozide	18	12	7	2L/ha	N	500 mL/ha			X	X			Registered for cranberry fruitworm.	
Movento 240 SC	spirotetramat	23	12	7	1.83 L/ha	V	220-365 mL/ha	X						Apply post-bloom only.	
							365-435 mL/ha		X						
Altacor Max	chlorantraniliprole	28	12	1	3 (324g/ha)	N	108-143 g/ha			X	X	S			
Exirel	cyantraniliprole	28	12	3	4(4.5 L/ha)	V	0.75-1.5 L/ha	X						Registered for cranberry fruitworm. Use an adjuvant, where permitted, for optimum control of SWD, blueberry maggot, and aphids. See label for directions.  Do not tank-mix or make sequential applications with Group 11 fungicides, copper fungicides, Captan, Maestro, Bravo or Echo. <b>See product label for numerous other tank-mix restrictions.</b>	
							1-1.5 L/ha		S				X		
							0.5-1 L/ha			X	X				
							1.5 L/ha					X			
Harvanta 50 SL	cyclaniliprole	28	12	1	3 (4.8 L/ha)	V	1.2-1.6 L/ha						X		
Spear T	GS-omega/kappa-Htx-Hv1a	32	4 hr/ when dry	0	6	U	9.4-28 L/ha						S	Use a spreader/sticker or non-ionic surfactant at 0.125% where permitted. See label, and <a href="#">Adjuvants Used in Fruit Crops</a> , for more information. Apply in a minimum 187 L water/ha.	
Kopa	potassium salts of fatty acids	NC	When dry	0	NA	N	2% v/v in 700-1900 L water/ha	X						<b>See HUB or label for application directions.</b> Applying soaps more than 3 times may cause plant injury. See label for details. Avoid application in direct sunlight or to plants under stress. Application within 3 days of sulphur may increase plant injury on sensitive plants.	
Vegol Crop Oil	Canola oil	NC	12	0	HUB	N	2% v/v in 700-1900 L water/ha	X						Do not apply oil within 48 hours of freezing temperatures, when temperatures are high (above 30°C), prior to rain or to heat- or moisture-stressed crop. Do not use within 14 days of Captan	



**Table 2. Summary of fungicides registered for use on blueberries.** For other pest not listed below (Leaf rust, Septoria leaf spot, Alternaria, Valdensinia leaf spot) please refer to the HUB. Products are sorted by FRAC group. Entries listed as 'HUB' indicate information is too detailed to include in this table. Refer to the Hub for full details.

Pests: Mummy berry, Phomopsis stem canker, anthracnose fruit rot, botrytis fruit rot, Alternaria fruit rot, phytophthora root rot.

Bee Toxicity: N=Non toxic. S= slightly toxic. M=moderately toxic. V=Very toxic. I= irritant. U= unknown.

NA= information is not specified on label.

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>					Comments
								Mummy berry	Phomopsis	Anthraco	Botrytis	Phytophthora	
Bravo ZNC	chlorothalonil	M	12 <sup>2</sup> /72 <sup>3</sup>	54	2	N	7.2 L/ha		X	X			Do not use within 10 days of oil. Do not tank-mix or make sequential applications with Exirel. May cause fruit injury if applied to green fruit.
Echo NP	chlorothalonil	M	12 <sup>2</sup> /72 <sup>3</sup>	54	2	N	5 L/ha		X	X			
Maestro 80 WSP; Supra Captan 80 WSP	Captan	M	6 days <sup>3</sup> /5 days <sup>4,5</sup> /12 hrs <sup>2</sup>	5	6	M	2.25 kg/ha				X		Apply in 1,000 L water/ha. Do not use within 14 days of oil or as a tank-mix or sequential application with products such as Exirel, Fontelis, or Timorex Gold. Restricted entry interval for hand harvest is 5 days for Maestro 80 WSP and Supra Captan 80 WSP, and is 8 days for Captan 480 SC.
Captan 480 SC	Captan	M	6 days <sup>3</sup> /5 days <sup>5</sup> /12 hrs <sup>2</sup>	8	6	M	3.73 L/ 1,000 L water/ha	X			X		
Bumper 432 EC; Fitness; Princeton	propiconazole	3	12hr <sup>2</sup> /5 days <sup>6</sup>	60	2	N	300 mL/ha	X					
Funginex DC	triforine	3	12hr <sup>2</sup> /6 days <sup>3</sup>	60	3	N	1.7-3 L/ha	X					Do not use Funginex after Pink bud.
Cevya	mefentrifluconazole	3	12	0	1L/ha	N	250 mL/ha	S			S		
Quash SC	metconazole	3	12	8	3	N	188 mL/ha	X	S	X			Use no more than 2 consecutive applications.
Proline 480 SC	prothioconazole	3	24 <sup>2</sup> /72 <sup>3</sup>	7	2	N	315-420 mL/ha	X					Use a surfactant, where permitted, for optimum control. See label for details.
Propulse	prothioconazole & fluopyram	3+7	24 <sup>2</sup> /72 <sup>3</sup>	7	2	N	750 mL/ha	X					
Miravis Neo	pydiflumetofen + azoxystrobin + propiconazole	3+7+11	12	30	0.75 L/ha	N	750 mL/ha	X		X			Do not make more than two applications of any pydiflumetofen-containing product (eg. Miravis Neo or Miravis Prime) on blueberries per year.
Inspire Super	difenoconazole + cyprodinil	3+9	12	1	HUB	N	1.16-1.48 L/ha			X			
							1.03-1.48 L/ha				X		
							558-836 mL/ha	X					

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>					Comments
								Mummy berry	Phomopsis	Anthraco	Botrytis	Phytophthora	
Fungtion SC; Quilt	propiconazole + azoxystrobin	3+11	12	30	3/4	N	1 L/ha	X		X			Max 3 applications for anthracnose, 4 applications for mummy berry. Do not tank-mix or make sequential applications with Exirel.
Ridomil Gold 480 SL	metalaxyl-M and S	4	12	80	1	N	37 mL/100m of row					X	Apply to the soil surface in a 1-m band centered over the row. Use at least 2,000 L water/ha. Alternatively, use Aliette at <b>Bud swell to green tip</b> .
Orondis Gold	metalaxyl-M and S-isomer + oxathiapiprolin	4+49	12	1	2	U	4.57 L/ha					X	Make first application before plants start to grow in the spring, and a second at least 30 days later. Apply as a drench or through irrigation water. Use at least 2000 L water/ha. For effective control, ensure that the product solution thoroughly wets the target root zone.
Cantus WDG; Cabil	boscalid	7	12	0	4	N	560 g/ha				X		Use once then rotate to a different fungicide group.
Kenja 400 SC	isofetamid	7	12	7	3	N	0.987-1.24 L/ha				X		
Fontelis	penthiopyrad	7	12	0	5(5.25L/ha)	N	1-1.75 L/ha	S			X		Fontelis contains mineral oil in the formulation. Tank-mixing or rotating with oil-sensitive products (e.g., captan, sulphur) may cause crop safety issues. See label for tank-mix restrictions.
Sercadis	fluxapyroxad	7	12	0	3	N	250-666 mL/ha				S		
Luna Tranquility	fluopyram + pyrimethanil	7+9	12	0	2	N	1.2 L/ha				X		Use once, then rotate to a different fungicide group
Pristine WG; Empire	boscalid + pyraclostrobin	7+11	When dry <sup>2</sup> /24 hr <sup>4</sup>	1	4	N	1.3-1.6 kg/ha			X	X		Do not tank-mix or make sequential applications with Exirel.
							1.6 kg/ha		X				
Merivon	fluxapyroxad + pyraclostrobin	7+11	12 hrs <sup>2</sup> /5 days <sup>4</sup> / 8 days <sup>3</sup>	5	3	N	800 mL/ha		X	X			
							600-800 mL/ha				S		
Miravis Prime	pydiflumetofen + fludioxonil	7+12	12	1	2 L/ha	N	0.8-1 L/ha				X		Do not make more than two applications of any pydiflumetofen-containing product (eg. Miravis Neo or Miravis Prime) on blueberries per year.
Impala; Scala SC	pyrimethanil	9	12	0	2	N	2L/ha				X		
Switch 62.5 WG	cyprodinil + fludioxonil	9+12	12	1	3	N	775-975 g/ha			X	X		
Button	cyprodinil + fludioxonil	9+12	12	1	3	N	775-975 g/ha	X		X	X		Control of the primary phase infection of mummy berry.
Cabrio EG	pyraclostrobin	11	12	1	4	N	1 kg/ha		X	X			Do not tank-mix or make sequential applications with Exirel.

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>					Comments
								Mummy berry	Phomopsis	Anthraco	Botrytis	Phytophthora	
Elevate 50 WDG	fenhexamid	17	12	1	4	N	1.7 kg/ha				X		
Diplomat 5 SC	polyoxin D zinc salt	19	When dry	0	2.77 L/ha	N	463-926 mL/ha	X			S		
Allegro 500 F	Fluazinam	29	24	30	2	N	2.24 L/ha		S				
							1.46-2.24 L/ha	S		S	X		
Vantana	Fluazinam	29	24	30	2	N	2.24 L/ha	S	S	S			
Timorex Gold	tea tree oil	46	4 hr/when dry	2	NA	N	1.5-2 L/ha				X		Apply in a high-volume spray to ensure thorough coverage. Do not tank-mix or alternate with Captan, Maestro or sulphur products. See label for precautions on compatibility.
ProBLAD	<i>BLAD polypeptide</i>	BM1	12	0	5	U	1.5-3.3 L/ha				X		Maintain agitation of spray mix.
EcoSwing	<i>Swinglea glutinosa extract</i>	BM1	4hr/ when dry	0	10	U	1.75-2.35 L/ha	X			S		<b>Partial suppression of botrytis only.</b>
Double Nickel LC	<i>Bacillus amyloliquefaciens strain D-747</i>	BM2	12	0	NA	N	2.5- 5 L/ha	S			S		
RootShield HC	<i>Trichoderma harzianum strain KRL-AG2</i>	BM2	4hr/ when dry	0	NA	N	10 kg/1000 L water				S		Agitation is required to maintain suspension. Apply in a high-volume spray to ensure thorough coverage.
Serifel	<i>Bacillus amyloliquefaciens strain MBI 600</i>	BM2	4hr/ when dry	0	NA	N	0.25-0.5 kg/ha				S		Should be applied shortly after mixing. Do not store mixed suspension overnight.
Serenade OPTI	<i>Bacillus subtilis strain QST 713</i>	BM2	4hr/ when dry	0	NA	N	2-3.3 kg/ha	S					
							1.7-3.3 kg/ha				S		
Actinovate SP	<i>Streptomyces lydicus</i>	NC	4hr / when dry	0	NA	N	425-840 g/ha	S					<b>Partial suppression only.</b> Do not combine with other pesticides, adjuvants, or foliar fertilizers.
Cyclone Plus	Citric and lactic acid	NC	4 hr/ when dry	0	NA	U	1.4%			X			Use a spray volume of 350-1000 L/ha.
OxiDate	hydrogen peroxide + peroxyacetic acid	NC	4 hr/ when dry	0	8	M	1% v/v	S	S				<b>Partial suppression only.</b> Do not spray OxiDate during conditions of intense heat, drought or poor plant vigor. Avoid application before rain or when winds are gusty. OxiDate works best using a solution of neutral pH.

Product Name	Chemical Name	Group	REI (hr)	PHI (day)	Max. App.	Bee Toxicity	Rate	Registration status <sup>1</sup>					Comments
								Mummy berry	Phomopsis	Anthracnose	Botrytis	Phytophthora	
Regalia Maxx	<i>Reynoutria sachalinensis</i> extract	P5	When dry	0	NA	N	0.125-0.25% v/v in 400-800 L water/ha	S					
							0.25% v/v in 400-800 L water/ha			S	S		
LifeGard WG	<i>Bacillus mycoides</i> isolate J	P6	4 hr/ when dry	0	NA	M	70-333 g/ha	X		S	S		Apply 0.33 g per L water. See label for suggested volumes. This product works by activating the plant's defense mechanism and is most effective when it is applied before infection. Do not apply to stressed plants.
Aliette	Fosetyl al	P7	12/72 <sup>3</sup>	1	4	N	5.6 kg/ha		S	X		X	For phytophthora root rot apply in spring when there is 7 cm of new growth.
Confine Extra	mono- and di-potassium salts of phosphorous acid	P7	12	1	5	N	4-5 L/ha			S			
Phostrol	mono- and dibasic sodium, potassium and ammonium phosphites	P7	12	0	4	N	2.9-5.8 L/ha					S	May cause crop injury in the form of marginal leaf necrosis and brown spots. Apply in a high-volume spray to reduce the risk of crop injury.

<sup>1</sup> Registration status: cells shaded indicate the product is registered for control (X) or suppression only (S) on that pest.

<sup>2</sup> general re-entry.

<sup>3</sup> handset irrigation

<sup>4</sup> hand harvest

<sup>5</sup> training, tying

<sup>6</sup> hand pruning