Stage of Develo	pment: Dormant						
Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes
	Product Choices					(days)	
San Jose Scale	mineral oil (Superior	NC	60 L	24 L	12 h	n/a	Do not apply just before or during freezing weather. One
	70) 14981						application/season.
	mineral oil	NC	90 L	36 L	12 h	n/a	Do not apply just before or during freezing weather. One
	(Guardsman) 23370						application/season.
Ambrosia Beetle							d sanitation is the best management strategy. Remove large
	wood pile and pruning	gs from t	he orchard. Cultural c	ontrol by maintaining o	ptimum	tree vigou	r is important as beetles are attracted to trees weakened by
	drought, transplanting						
Shothole Borer							s. Good sanitation is the best management strategy. Remove
				ural control by maintai	ning opt	imum tree	vigour is important as beetles are attracted to trees
	weakened by drought						
Bacterial Canker of	Copper hydroxide	M1	8.8 - 13.1 L	3.5 - 5.3 L	48 hrs	2 days	Use low rate for small trees, high rate for large trees.
Stone Fruits	(Parasol) 25901						
	copper oxychloride	M1	6-9 kg	2.4-3.6 kg	48 h	n/a	Apply in early spring before bud break. Maximum 2
	(Guardsman Copper						applications per year.
	Oxychloride 13245)						
	copper octanoate	M1	Prepare 0.5-2%				Apply 470-940 L of mixture/ha when buds begin to swell,
	(Cueva Commercial)		solution (5-20				repeating at the bud burst stage and weekly thereafter as
	31825		L/1000 L water)				needed (maximum 6 applications per season). See bacterial
					L		canker description.
	copper oxychloride	M1	6-9 kg	2.4-3.6 kg	48 h	n/a	Apply in early spring before bud break.
	(Copper Spray						
	19146)						

Stage of Develo	pment: Green Tip	to Pin	k				
Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes
	Product Choices					(days)	
Black Cherry	afidopyropen	9D	0.1 L	0.04 L	12 hrs	7 days	Allow 7 days between applications. Do not apply more than 2
Aphid	(Versys) 33266						times per season. For resistance management, rotate with
							another insecticide group after 2 applications.
	flupyradifurone	4D	500 - 750 mL	202 - 304 mL	12 h	14	Minimum interval between applications: 10 days. Do not
	(Sivanto Prime)						apply more than 2000 mL/ha per season.
	31452						
	flonicamid (Beleaf)	29	200 g	81 g	12 h-	14	3 days REI for thinning. Allow a milmum of 7 days between
	29796				3		applications.
					days		

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Stage of Develop	tage of Development: Green Tip to Pink											
Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes					
	Product Choices					(days)						
	sulfoxaflor (Closer)	4C	100-200 mL	40-80 mL	12 h	7	Do not apply more than 2 times/season. Spray interval:					
	30826						minimum 7 days.					
European Red Mite	mineral oil	NC	45 L	18.2 L	12 h	n/a	Use sufficient water volume to ensure thorough coverage of					
	(Guardsman) 23370						the trees.					

Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
Brown Rot	BLAD polypeptide (ProBlad) 34050	BM-0 1	1.5 - 3.3 L	0.61 - 1.33 L		0	Make application in the month before harvest on a 7 to 10 day preventive schedule when conditions favour disease development.
	pyraclostrobin + fluxapyroxad (Merivon) 33951	7 + 11	0.3 - 0.4 L	0.12 - 0.16 L	12 h - 12 days	1 day (hand harvest)	Limit sprays of Group 11 fungicides to 2 sprays/season. REI's: hand thinning - 12 days, hand harvesting - 1 days, mechanical harvesting and all other activities - 12 hours.
	pydiflumetofen + difenoconazole (Miravis Duo) 33206	7+3	1 L	405 ml	12 hours	0 days	Max 2 applications per year, then switch to a non-Group 7 and 3 fungicide. Application interval: 7 - 14 days.
	mefentrifluconazole (Cevya) 33405	3	0.25 - 0.375 L	0.1 - 0.15 L	12 hours	0	Do not make more than 2 sequential applications before alternating to a non-group 3 fungicide registered for the same use. Begin applications prior to disease development. Apply an additional applic. at an interval of 7 - 14 days if disease persists or weather conditions are favourable for disease development.
	fluopyram + trifloxystrobin (Luna Sensation) 32107	7+11	300-400 mL	121-162 mL	12 h	1 day	Use higher rate for high disease pressure. Rotate with fungicides from other groups. Limit use of group 11 fungicides to 2 applications per season.
	metconazole (Quash 30402)	3	175 - 245 g	71 - 99 g	12 h - 9 days	14	Use in rotation with fungicides from other groups from pink to petal fall. Maximum 1 application/season. REI of 9 days is fo thinning.
	fluxapyroxad (Sercadis) 31697	7	333 mL	135 mL	12 h	0	The use of a non-ionic surfactant (0.125%) is recommended. Begin treatment when conditions favour disease development. Apply a second spray 7-14 days up to blossom if conditions for disease development persist. Maximum amount per season: 1 L/ha (405 mL/acre). Maximum 3 applications per season.

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
Powdery Mildew (Sweet Cherries)	pyriofenone (Property 300SC) 32534	50	0.3 - 0.366 L	0.121 - 0.148 L	12 h	14 days	Do not apply more than 1.464 L/ha a year. Do not make more than 2 sequential applications of product or other Group 50 fungicide before rotating to a fungicide with a different MOA.
	mefentrifluconazole (Cevya) 33405	3	0.25 - 0.375 L	0.1 - 0.15 L	12 hours	0	Do not make more than 2 sequential applications before alternating to a non-group 3 fungicide registered for the same use. Begin applications prior to disease development Apply an additional applic. at an interval of 7 - 14 days if disease persists or weather conditions are favourable for disease development.
	Notes: For blocks wit	th high m	ildew pressure, begir	n mildew spray prograi	n no late	r than bloo	om to petal fall. See petal fall section for available sprays.
Brown Rot	chlorothalonil (Echo) 33479	M5	3.5 - 6.3 L	1.4 - 2.5 L	12 hr - 8 days	40	Do not apply Echo after shuck split. Use higher rate for trees over 6 m in height. Refer to label for specific REI's for thinning activities.
	propiconazole (Princeton) 33840	3	300 ml	121 ml	4 hr to 3 days	3 days	Limit sprays of class 3 fungicides (Princeton, Indar, Quash) to 2 per season for resistance management.
	pyraclostrobin + fluxapyroxad (Merivon) 33951	7 + 11	0.3 - 0.4 L	0.12 - 0.16 L	12 h - 12 days	1 day (hand harvest)	Limit sprays of Group 11 fungicides to 2 sprays/season. REI's: hand thinning - 12 days, hand harvesting - 1 days, mechanical harvesting and all other activities - 12 hours.
	pydiflumetofen + difenoconazole (Miravis Duo) 33206	7+3	1 L	405 ml	12 hours	0 days	Max 2 applications per year, then switch to a non-Group 7 and 3 fungicide. Application interval: 7 - 14 days.
	chlorothalonil (Bravo ZNC) 33515	M5	5 - 7 L	2.0 - 2.83 L		40 days	Do not apply Bravo after shuck split. Use higher rate for tree over 6 m in height. Refer to label for specific REI's for thinning activities.
	mefentrifluconazole (Cevya) 33405	3	0.25 - 0.375 L	0.1 - 0.15 L	12 hours	0	Do not make more than 2 sequential applications before alternating to a non-group 3 fungicide registered for the same use. Begin applications prior to disease development Apply an additional applic. at an interval of 7 - 14 days if disease persists or weather conditions are favourable for disease development.
	fluopyram + trifloxystrobin (Luna Sensation) 32107	7+11	300-400 mL	121-162 mL	12 h	1 day	Use higher rate for high disease pressure. Rotate with fungicides from other groups. Limit use of group 11 fungicides to 2 applications per season.
	Isofetamid (Kenja) 31758	7	913 ml	369 ml	12 hrs	1	Suppression only. Apply with a silicone surfactant. Do not apply more than 2 consecutive Group 7 applications. Maximum of 3 applications per year.

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	metconazole (Quash 30402)	3	175 - 245 g	71 - 99 g	12 h - 9 days	14	Use in rotation with fungicides from other groups from pink to petal fall. Maximum 1 application/season. REI of 9 days is fo thinning.
	copper octanoate (Cueva Commercial) 31825	M1	Prepare 0.5-2% solution (5-20 L/1000 L water)		4 h	1	Apply 470-940 L of mixture/ha (190-380 L/acre) at delayed dormant (bud swell), popcorn, full bloom and petal fall stages for blossom blight control.
	fluxapyroxad (Sercadis) 31697	7	333 mL	135 mL	12 h	0	The use of a non-ionic surfactant (0.125 % v/v) is recommended.
	triforine (Funginex) 27686	3	2.5 L	1 L	48 h	See notes	Do not apply after bloom.
	fenhexamid (Elevate) 25900	17	1.7 kg	690 g	4 h	1	Avoid more than 2 consecutive applications.
	boscalid (Cantus) 30141	7	370 g	150 g	12 h	0	Avoid more than 2 consecutive applications.
	fenbuconazole (Indar) 27294	3	140 g	57 g	12 h	1	Caution- mildew resistance to group 3 fungicides may be developing. Limit use of group 3 fungicides (Indar, Nova, Princeton, Quash) to 2 sprays/season. Rotate with fungicides from different groups.
	Bacillus subtilis (Serenade Opti) 31666	44	1.1-1.7 kg	445-688 g	24 h*	0	Suppression only. Begin at early bloom and repeat at 7 day intervals through petal fall.
	myclobutanil (Nova 40WP) 22399	3	340 g	140 g	12 h - 12 days	1	Caution - mildew resistance to Group 3 fungicides may be developing. Limit use of group 3 fungicides (Indar, Nova, Topas, Jade, Tilt, Quash) to 2 sprays/season. Rotate with fungicides from others groups. 12 days REI for thinning.
	thiophanate-methyl (Senator 50SC) 32096	1	2.45 L	1 L	24 h*	1	Maximum 2 applications/season
	boscalid + pyraclostrobin (Pristine WG) 27985	7 + 11	750 g - 1 kg	304 g - 405 g	dry- 10 days	0	Limit sprays of class 11 fungicides (Flint, Cabrio, Pristine) to 2 per season for resistance management. 10 days REI for thinning.
	penthiopyrad (Fontelis) 30331	7	1.0- 1.75 L	405- 709 mL	12 h	0	Do not apply more than 2 times per season. Use high rate fo high disease pressure. Use a minimum rate of 1.25L/ha to also control botrytis.
	captan (Captan Supra 33641, Maestro 33488)	M4	3.75 - 4.5 kg	1.5 - 1.8 kg	48 h	2	Do not apply in combination with or immediately before or after oil sprays.

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Stage of Develop	oment: Blossom											
Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes					
	Product Choices					(days)						
	Notes: Brown rot infection begins at bloom. Protect blossoms if weather is wet. Rotate fungicides for resistance management.											
Bacterial Canker of	kasugamycin	24	100 ppm (5 L/1000	100 ppm (5 L/1000	12 h	30	For suppression of bacterial canker and control of blossom					
Stone Fruits	(Kasumin) 30591		L water)	L water)			blast. Begin applications at early bloom. Repeat at 7 day					
							intervals. Maximum of 4 applications per year.					
Botrytis Rot of	penthiopyrad	7	1.25-1.75 L	506-709 mL	12 h	0	Do not apply more than 2 times per season. Use high rate for					
Cherry	(Fontelis) 30331						high disease pressure.					
	Notes: Many fungicides used for brown rot will also help to control botrytis, including Kenja, Rovral, Bravo, Elevate, Pristine and Cantus. However,											
	botrytis resistance to	otrytis resistance to Rovral and Senator may be present in some orchards. Blossom is an important spray timing for management of botrytis rots.										

Stage of Develo	pment: Petal Fall						
Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes
	Product Choices					(days)	
Cherry Fruitworm	Chlorantraniliprole (Altacor MaX) 34654	28	108 - 143 g	44 - 58 g	12 h	1 day	Apply as soon as moths are caught in pheremone-baited traps. A single application may not control cherry fruitworm. A second application of Altacor MaX or a different registered product for cherry fruitworm control may be required.
							Application interval for Altacor MaX: minimum of 7 days

Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes
	Product Choices					(days)	
Obliquebanded	Chlorantraniliprole	28	73 - 143 g	30 - 58 g	12 h	5	Apply when larvae become active. Do not apply more than 3
and Threelined	(Altacor MaX) 34654						times/ season. Spray interval: 10 to 14 days (see label).
Leafrollers	cyclaniliprole (Harvanta 50SL) 32889	28	1.2 - 1.6 L	485 - 647 ml	12	7 days	Toxic to bees. Do not make more than 3 applications per crop year. Where possible, rotate the use of Harvanta or other Group 28 insecticides with different groups that control the same pests.
	Bacillus thuringiensis (Bioprotec PLUS) 32425	11	1.8-2.5 L	0.73-1.0 L	24 h*	0	Will also control other leaf-feeding larvae present. See Notes. Spray interval: 7 days under optimal conditions.
	spinosad (Success) 26835	5	182 mL	74 mL	dry	7	Do not apply more than 3 times/season. Spray interval: 7 to 10 days.
	Bacillus thuringiensis (Bioprotec CAF) 26854	11	4.0 L	1.6 L	24 h*	0	Will also control bud moth. Spray interval: 7 days under optimal conditions.

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	Bacillus thuringiensis (Dipel 2X DF) 26508	11	1.125 - 1.675 kg	455 - 678 g	24 h*	0	Will also control bud moth. Spray interval: 7 days under optimal conditions.
	cyantraniliprole (Exirel) 30895	28	500-1000 mL	202-404 mL	12 h	3	Apply when larvae are active. Do not apply more than 4 times/season. Do not tank mix with Flint, Pristine, Cabric copper or captan fungicides. Toxic to bees. Spray interval to 10 days.
	novaluron (Rimon) 28515	15	1.35-3.35 L	0.55-1.35 L	12 h	14	Use the higher rate for higher populations. Maximum 3 applications/season. May be harmful to predatory mites Spray interval: 10 to 14 days.
	spinosad (Entrust) 30382	5	364 mL	147 mL	dry	3	Do not apply more than 3 times per season. Spray interva to 10 days.
	spinetoram (Delegate) 28778	5	210-420 g	85 g -170 g	12 h	5	Do not apply more than 3 times per season. Use the high rate under high pest pressure and/or larger larvae. Spra interval: 14 days.
	methoxyfenozide (Intrepid) 27786	18	0.75 L	304 mL	12 h	7	Do not apply more than 2 times per season. Spray interv 10 to 14 days.
	chlorantraniliprole (Altacor) 28981	28	145-285 g	59-115 g	12 h	1	Monitor larval populations in spring; apply when larvae a active. Maximum 3 applications per season. For rates about 215 g/ha (87 g/ac), do not apply more than twice/season Spray interval: 7 to 14 days (see label).
	produtcs will also con when no rain is forect before applying a sec	trol any ast for 2 cond trea	other leafroller and bu 4 hours. If there is mo utment of B. thuringien	d moth larvae present re than 2 mm rainfall v sis or another product	. Apply E vithin 24	Bt when bl h of applic	e coverage is important for satisfactory control. These oom is 80% or more during late afternoon or on a cloudy detation, re-apply product. Wait 7 days (in absence of rain) a pH for Bt is 6.
Western Flower Thrips	cyclaniliprole (Harvanta 50SL) 32889	28	1.2 - 1.6 L	485 - 647 ml	12	7 days	For suppression only. Toxic to bees. Do not make more that applications per crop year. Where possible, rotate the upon of Harvanta or other Group 28 insecticides with different groups that control the same pests.
Fruittree and European Leafrollers	Bacillus thuringiensis (Bioprotec PLUS) 32425	11	1.8-2.5 L	0.73-1.0 L	24 h*	0	Will also control other leaf-feeding larvae present. See Notes. Spray interval: 7 days under optimal conditions
	spinosad (Success) 26835	5	182 mL	74 mL	dry	7	Do not apply more than 3 times/season. Spray interval: 7 10 days.
	Bacillus thuringiensis (Bioprotec CAF)	11	4 L	1.6 L	24*	0	Will also control other leaf-feeding larvae present. Spra interval: 7 days under optimal conditions.

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	26854						
	cyantraniliprole (Exirel) 30895	28	500 - 1000 mL	202 - 404 mL	12 h	3	Apply when larvae are active. Do not apply more than 4 times/season. Do not tank mix with Cabrio, Pristine, Flint, copper or captan fungicides. TOXIC to bees. Spray interval 7 to 10 days.
	spinosad (Entrust) 30382	5	364 mL	147 mL	dry	3	Do not apply more than 3 times/season. Spray interval: 7 to 10 days.
	bloom is 80% or more application, re-apply products is 6.	e during product.	late afternoon or on a Wait 7 days (in abser	cloudy day when no r nce of rain) before app	ain is for lying a s	ecast for 2 econd trea	te coverage is important for satisfactory control. Apply Bt whe 24 hours. If there is more than 2 mm rainfall within 24 hours of atment of a Bt or other product. Optimum solution pH for Bt
Green Fruitworms	Bacillus thuringiensis (Bioprotec PLUS) 32425	11	1.8-2.5 L	0.73-1.0 L	24 h*	0	Will also control other leaf-feeding larvae present. See Notes. Spray interval: 7 days under optimal conditions.
	Bacillus thuringiensis (Bioprotec CAF) 26854	11	4.0 L	1.6 L	24 h*	0	Will also control bud moth. Spray interval: 7 days under optimal conditions.
	Bacillus thuringiensis (Dipel 2X DF) 26508	11	1.125 - 1.675 kg	455 - 678 g	24 h*	0	Will also control bud moth. Spray interval: 7 days under optimal conditions.
Eyespotted Bud Moth	spinosad (Success) 26835	5	182 mL	74 mL	dry	7	Do not apply more than 3 times/season. Spray interval: 7 to 10 days.
	cyantraniliprole (Exirel) 30895	28	500-1000 mL	202-404 mL	12 h	3	Apply when larvae are active. Do not apply more than 4 times/season. Do not tank mix with Flint, Pristine, Cabrio, copper or captan fungicides. Toxic to bees. Spray interval: 7 to 10 days.
	spinosad (Entrust) 30382	5	364 mL	147 mL	dry	3	Do not apply more than 3 times per season. Spray interval: 7 to 10 days.
Peach Tree Borer	pheromone (Isomate-P) 27141	NC	250-625	100-250	n/a	0	Apply before first moth flight.
Mealybugs	spirotetramat (Movento 240 SC) 28953	23	365 -585 mL	148-237 mL	12 h	7	Apply Movento with an adjuvant such as Agral 90. Do not exceed 1120 mL Movento/ha (453 mL/ac)/season. Toxic to bees.Spray interval: minimum 14 days.
							Use high volume air-blast or hand gun applications.
Powdery Mildew (Sweet Cherries)	pyriofenone (Property 300SC)	50	0.3 - 0.366 L	0.121 - 0.148 L	12 h	14 days	Do not apply more than 1.464 L/ha a year. Do not make more than 2 sequential applications of product or other

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Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
32534						Group 50 fungicide before rotating to a fungicide with a different MOA.
fenazaquin (Magister SC) 34544	21 + 39	1.75 - 2.63 L	0.7 - 1.1 L	12 h - 17 days	10 days	Toxic to bees. Avoid application during bloom. Maximum number of applications: 1
sulphur (Cosavet DF Edge 31869, Kumulus 18836, Microthiol 29487	M2	7.0 kg	2.8 kg	24 h	1	
flutianil (Gatten) 34297	U 13	400 - 690 ml	162 - 279 ml	24 hours	3 days	Use a higher rate and shorter spray interval under high disease pressure. Use water volumes of 280 - 935 litres per hectare for concentrate sprays and 936 - 2800 litres per hectare for dilute sprays. Max number of applications per year: 4. Apply to foliage during the fruiting stage.
pyraclostrobin + fluxapyroxad (Merivon) 33951	7 + 11	0.3 - 0.4 L	0.12 - 0.16 L	12 h - 12 days	1 day (hand harvest)	Limit sprays of Group 11 fungicides to 2 sprays/season. REI's: hand thinning - 12 days, hand harvesting - 1 days, mechanical harvesting and all other activities - 12 hours.
pydiflumetofen + difenoconazole (Miravis Duo) 33206	7+3	1 L	405 ml	12 hours	0 days	Max 2 applications, then switch to a non-Group 7 and 3 fungicide. Application interval: 7 - 14 days.
mefentrifluconazole (Cevya) 33405	3	0.25 - 0.375 L	0.1 - 0.15 L	12 hours	0	Do not make more than 2 sequential applications before alternating to a non-group 3 fungicide registered for the same use. Begin applications prior to disease development Apply an additional applic. at an interval of 7 - 14 days if disease persists or weather conditions are favourable for disease development.
fluopyram + trifloxystrobin (Luna Sensation) 32107	7+11	300-400 mL	121-162 mL	12 h	1 day	Use higher rate for high disease pressure. Rotate with fungicides from other groups. Limit use of group 11 fungicides to 2 applications per season.
metconazole (Quash 30402)	3	245 - 280 g	99 - 113 g	12 h - 9 days	14	Suppression of powdery mildew only. Maximum one application/season. REI of 9 days is for thinning.
metrafenone (Vivando) 29765	U8	750 mL - 1.12 L	304 - 453 mL	12 h	7	Apply prior to onset of disease, and at 14-21 day intervals Do not make more than 2 consecutive applications.
myclobutanil (Nova 40WP) 22399	3	340 g	140 g	12 h - 12 days	1	Caution - mildew resistance may be developing. Limit use group 3 fungicides (Indar, Nova, Topas, Jade, Mission, Quash) to 2 sprays/season. 12 days REI for thinning.

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	Extra Fungicide) 34962				4 days		Group 11 fungicides (Flint, Cabrio, Pristine) to 2/season. 4 days REI for thinning.
	mineral oil (Purespray Green) 27666	NC	10 L	4 L	12 h	0	For suppression of powdery mildew, apply in a minimum of 1000 L water/ha from two weeks after full bloom to pit hardening at 10-14 day intervals. Do not use in combination with or within 14 days of sulphur or captan.
	boscalid + pyraclostrobin (Pristine WG) 27985	7 + 11	750g - 1 kg	304 g - 405 g	dry - 10 days	0	Limit sprays of class 11 fungicides (Flint, Cabrio, Pristine) 2 per season for resistance management. 10 days REI for thinning.
	penthiopyrad (Fontelis) 30331	7	1.0-1.75 L	405-709 mL	12 h	0	Do not apply more than 2 times per season. Use high rate high disease pressure.
	pyraclostrobin (Cabrio) 27323	11	670 g	270 g	12 h - 9 days	10	Use tank mixes with caution. Limit sprays of group 11 fungicides (Flint, Cabrio, Pristine) to 2/season.
	fungicide groups for r	esistanc	e management. Cauti	on - mildew resistance	to group	o 3 fungici	etal fall. For low pressure blocks, begin at husk fall. Rotate ides (Nova, Indar, Jade, Topas, Mission, Quash) may be les are also at high risk for resistance.
Brown Rot	chlorothalonil (Echo) 33479	M5	3.5 - 6.3 L	1.4 - 2.5 L	12 hr - 8 days	40	Do not apply Echo after shuck split. Use higher rate for tre over 6 m in height. Refer to label for specific REI's for thinning activities.
	propiconazole (Princeton) 33840	3	300 ml	121 ml	4 hr to 3 days	3 days	Limit sprays of class 3 fungicides (Princeton, Indar, Quas to 2 per season for resistance management.
	pyraclostrobin + fluxapyroxad (Merivon) 33951	7 + 11	0.3 - 0.4 L	0.12 - 0.16 L	12 h - 12 days	1 day (hand harvest)	Limit sprays of Group 11 fungicides to 2 sprays/seasor REI's: hand thinning - 12 days, hand harvesting - 1 days mechanical harvesting and all other activities - 12 hours
	pydiflumetofen + difenoconazole (Miravis Duo) 33206	7+3	1 L	405 ml	12 hours	0 days	Max 2 applications per year, then switch to a non-Group and 3 fungicide. Application interval: 7 - 14 days.
	chlorothalonil (Bravo ZNC) 33515	M5	5 - 7 L	2.0 - 2.83 L		40 days	Do not apply Bravo after shuck split. Use higher rate for tr over 6 m in height. Refer to label for specific REI's for thinning activities.
	mefentrifluconazole (Cevya) 33405	3	0.25 - 0.375 L	0.1 - 0.15 L	12 hours	0	Do not make more than 2 sequential applications befor alternating to a non-group 3 fungicide registered for the same use. Begin applications prior to disease developmed Apply an additional applic. at an interval of 7 - 14 days disease persists or weather conditions are favourable for disease development.

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Product Che fluopyram trifloxystrobin Sensation) 3 Isofetamid (F 31758 metconaz (Quash 304) fenhexam (Elevate) 29 boscalid (Ca 30141 fenbuconaz (Indar) 273 Bacillus sul (Serenade 6 31666 myclobutanil 40WP) 223 boscalid pyraclostro (Pristine WG) penthiopy	+ (Luna 2107 enja) ble 02) id 900	7+11 7 3 17	300-400 mL 913 ml 175 - 245 g	121-162 mL 369 ml 71 - 99 g	12 h	(days) 1 day	Use higher rate for high disease pressure. Rotate with fungicides from other groups. Limit use of group 11 fungicides to 2 applications per season. Suppression only. Apply with a silicone surfactant. Do not
metconaz (Quash 30-4 fenhexam (Elevate) 29 boscalid (Ca 30141 fenbucona (Indar) 272 Bacillus sul (Serenade 31666 myclobutanil 40WP) 223 boscalid pyraclostro (Pristine WG)	ole .02) id 900	3			12 hrs	1	Suppression only. Apply with a silicone surfactant. Do not
fenhexam (Elevate) 29 boscalid (Ca 30141 fenbucona (Indar) 272 Bacillus sul (Serenade of 31666 myclobutanil 40WP) 223 boscalid pyraclostro (Pristine WG)	id 900		175 - 245 g	71 - 99 a			apply more than 2 consecutive Group 7 applications. Maximum of 3 applications per year.
boscalid (Ca 30141 fenbucona (Indar) 273 Bacillus sul (Serenade 31666 myclobutanil 40WP) 223 boscalid pyraclostro (Pristine WG)	900	17		, , 55 g	12 h - 9 days	14	Use in rotation with fungicides from other groups from pink to petal fall. Maximum 1 application/season. REI of 9 days is for thinning.
Bacillus sul (Serenade of 31666) myclobutanil 40WP) 223	ntus)		1.7 kg	690 g	4 h	1	Avoid more than 2 consecutive applications.
Bacillus sul (Serenade 31666 myclobutanil 40WP) 223 boscalid pyraclostro (Pristine WG)	, ,	7	370 g	150 g	12 h	0	Avoid more than 2 consecutive applications.
(Serenade 31666 myclobutanil 40WP) 223 boscalid pyraclostro (Pristine WG)		3	140 g	57 g	12 h	1	Caution - mildew resistance may be developing to group 3 fungicides (Indar, Nova, Princeton, Quash) so apply maximum 2 sprays/season. Rotate with fungicides from different groups.
boscalid pyraclostro (Pristine WG)		44	1.1-1.7 kg	445-688 g	24 h*	0	Suppression only. Begin at early bloom and repeat at 7 day intervals through petal fall.
pyraclostro (Pristine WG)		3	340 g	140 g	12 h - 12 days	1	Caution - mildew resistance may be developing. Limit use of group 3 fungicides (Indar, Nova, Topas, Jade, Tilt, Quash) to 2 sprays/season. Rotate with fungicides from other groups. 12 days REI for thinning.
nonthiony	bin	+ 11	750g - 1 kg	304 g - 405 g	dry - 10 days	0	Limit sprays of class 11 fungicides (Flint, Cabrio, Pristine) to 2 per season for resistance management. 10 days REI for thinning.
(Fontelis) 3		7	1.0-1.75 L	405-709 mL	12 h	0	Do not apply more than 2 times per season. Use high rate for high disease pressure.
captan (Ca Supra 336 Maestro 33	41,	M4	3.75 - 4.5 kg	1.5 - 1.8 kg	48 h	2	
	-,						fer to label for specific REI's for thinning activities. icides for resistance management. If botrytis fruit rot has been

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
Cherry Fruit Flies	dimethoate (Cygon	1B	2.7 L	1.09 L	12 h -	21 days	Will also control cherry fruitworm, pear sawfly (cherry slug)
	400EC) 35268				20		and apple mealybug. Field reports indicate EC formulations
					days		can cause severe leaf burn and leaf drop in Lapins, Sam, Skeena, Stella and Sweetheart cherry varieties.
	acetamiprid +	4 + 15	2100 ml	850 ml	12 hrs	7 days	Do not apply more than 6.9 L/ha. Spray interval - 10 days.
	novaluron				to 6		REIs: 6 days for thinning, 12 hours for all other activities. D
	(Cormoran) 33353				days		not apply during bloom.
	cyclaniliprole	28	1.2 - 1.6 L	485 - 647 ml	12	7 days	Toxic to bees. Do not make more than 3 applications per
	(Harvanta 50SL)						crop year. Where possible, rotate the use of Harvanta or
	32889						other Group 28 insecticides with different groups that contro
							the same pests.
	dimethoate (Lagon)	1B	2.25 L	910 mL		21	Will also control cherry fruitworm, pear sawfly (cherry slug)
	9382						and apple mealybug. Field reports indicate EC formulations
							can cause severe leaf burn and leaf drop in Lapins, Sam,
							Skeena, Stella and Sweetheart cherry varieties. Spray
							interval: 14 days.
	spinosad (GF-120	5	1.0-1.5 L	405-607 mL	dry	0	Apply at label rates with special equipment in a strip on one
	Fruit Fly Bait) 28336						side of every row. Spray interval: 5 - 7 days in absence of
							rain.
	cyantraniliprole	28	750-1500 mL	304-607 mL	12 h	3	Do not apply more than 4 times/season. Do not tank mix wit
	(Exirel) 30895						Flint, Pristine, Cabrio, copper or captan fungicides. Toxic to
							bees.Spray interval: 7 days.
	acetamiprid (Assail)	4	240 g	97 g	12 h-6	7	For suppression only. Do not apply more than 2 times per
	27128				days		season. Spray interval - 12 days. REIs of 2 days for scouting
							and 6 days is for thinning.
	spinosad (Entrust) 30382	5	364 mL	147 mL	dry	7	Do not apply more than 3 times per season. Spray interval: to 7 days.
	spinetoram	5	420 g	170 g	12 h	5	For suppression only. Apply within 5 days of first fly capture
	(Delegate) 28778						Re-apply at 7-day intervals. Maximum 3 sprays per year.
	Notes: Do not apply longer be registered				ds and m	nealybug.	Spray interval: minimum 10 days. Admire and Alias will no
					. Avoid ι	using Grou	p 4 products more than twice/season for all registered uses
	prevent mite problem		11	5 . , . , . ,		J = 23	
	,		2.25 L	910 mL	12 h -	21	Will also control cherry fruitworm, pear sawfly (cherry slug)
					20		and apple mealybug. Field reports indicate EC formulations
					days		can cause severe leaf burn and leaf drop in Lapins, Sam,
							Skeena, Stella and Sweetheart cherry varieties.
uropean Red Mite	pyridaben (Nexter	21	500 ml	202 ml	24 h	7 days	Only one application per year. Residual control: 7-10 days

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	SC) 33433						
	fenazaquin	21 +	1.75 - 2.34 L	0.7 - 0.95 L	12 h -	10 days	Toxic to bees. Avoid application during bloom. Maximum
	(Magister SC)	39			17		number of applications: 1
	34544				days		
	cyflumetofen (Nealta) 31284	25	1 L	405 mL	12 h	7	For control of all life stages. Do not apply more than 2 times/season. Not for rust mite control. Spray interval: 14 days.
	pyridaben (Nexter) 25135	21	300 g	120-240 g	24 h	7	Only one application per season. Residual control: 7-10 days.
	spirodiclofen (Envidor) 28051	23	750 mL	300 mL	12 h	7	Will also control rust mites. Spray interval: minimum 7 days
	mineral oil (Purespray Green) 27666	NC	10 L	4 L	12 h	0	For suppression only. Begin applications when mites first appear, allow 10-14 days between applications. Do not use within 14 days of captan. Post harvest sprays help to reduce over- wintering pressure.
	bifenazate (Acramite) 27925	20D	851 g	344 g	12 h	7	Begin application when mites first appear. Do not apply more than once/season. Will not control rust mites. Residual control: 21 days.
							group more than once per season. The presence and numbe nt water to ensure thorough and uniform coverage.
McDaniel, Twospotted Spider	pyridaben (Nexter SC) 33433	21	500 - 1000 ml	202 404 ml	24 h	7 days	Only one application per year. Residual control: 7-10 days.
Mites	fenazaquin (Magister SC) 34544	21 + 39	1.75 - 2.34 L	0.7 - 0.95 L	12 h - 17 days	10 days	Toxic to bees. Avoid application during bloom. Maximum number of applications: 1
	Mineral oil (Suffoil- X) 33099	NC	13 L/1000 L of water	13 L/1000 L of water	12 hours	0	Test for crop tolerance before widespread use. Apply every 10 - 14 days, depending on level of pest pressure. Do not apply to trees lacking moisture. Do not apply more than 8 applications per year.
	cyflumetofen (Nealta) 31284	25	1 L	405 mL	12 h	7	For control of all life stages. Do not apply more than 2 times/season. Not for rust mite control. Spray interval: 14 days.
	pyridaben (Nexter) 25135	21	300-600 g	120-240 g	24 h	7	Only one application per season. Residual control: 7-10 days.
	spirodiclofen (Envidor) 28051	23	750 mL	300 mL	12 h	7	Will also control rust mites. Spray interval: minimum 7 days
	bifenazate (Acramite) 27925	20D	851 g	344 g	12 h	7	Begin application when mites first appear. Do not apply mor than once/season. Will not control rust mites. Residual

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
							control: 21 days.
							group more than once per season. The presence and numbe nt water to ensure thorough and uniform coverage.
Black Cherry Aphid	pyrethrins (Pyganic Crop Protection EC 1.4 II) 30164	3	2.32 - 4.65 L	0.9 - 1.9 L	12 h	0	Do not apply more than 46.5 L/ha per growing season. Adjust pH of spray mixture to 5.5 - 7. Toxic to bees. Do not apply to flowering crops or weeds if bees are visiting the treatment area. If possible, apply in the early morning or evening. The reduced UV exposure and lower temperatures will increase performance and reduce the impact of pollinators. For organic production.
	tetraniliprole (Vayego 200 SC) 33711	28	150 ml	61 ml	12 hours	5 days	Suppression only. Max 3 applications per year. Toxic to bees. Do not apply during pre-bloom or blooming period. Apply post-bloom only.
	Mineral oil (Suffoil- X) 33099	NC	13 L/1000 L of water	13 L/1000 L of water	12 hours	0	Test for crop tolerance before widespread use. Apply every 10 - 14 days, depending on level of pest pressure. Do not apply to trees lacking moisture. Do not apply more than 8 applications per year.
	afidopyropen (Versys) 33266	9D	0.1 L	0.04 L	12 hrs	7 days	Allow 7 days between applications. Do not apply more than times per season. For resistance management, rotate with another insecticide group after 2 applications.
	flupyradifurone (Sivanto Prime) 31452	4D	500 - 750 mL	202 - 304 mL	12 h	14	Minimum interval between applications: 10 days. Do not apply more than 2000 mL/ha per season.
	malathion (Malathion 85E) 8372	1B	610-880 mL/1000 L water		1 - 3 days	3	May injure some varieties of cherries. Apply the spray mixture in sufficient volume to ensure thorough coverage. Only one application per year. Can provide up to 10 days control.
	flonicamid (Beleaf) 29796	29	200 g	81 g	12 h-3 days	14	3 days REI for thinning. Allow a minimum of 7 days betwee applications.
	sulfoxaflor (Closer) 30826	4C	100-200 mL	40-80 mL	12 h	7	Do not apply more than 2 times/season. Spray interval: minimum 7 days.
	spirotetramat (Movento 240 SC) 28953	23	365 -435 mL	148 -176 mL	12 h	7	Apply Movento with an adjuvant such as Agral 90. Do no exceed 1120 mL Movento/ha (453 mL/ac)/season. Toxic t bees. Will also control mealybugs. Spray interval: minimur 14 days.
	mineral oil (Purespray Green) 27666	NC	10 L	4 L	12 h	0	Prevents aphids from feeding. Begin application when aphi first appear, allow 10-14 days between applications. Do no use withing 14 days before or after captan or sulphur. Pos

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes						
							harvest sprays may be made to reduce over-wintering pressure.						
		Notes: Do not apply more than twice/season. Spray interval: 10 to 14 days. Clutch will no longer be registered for use by growers as of April 11, 2021. Notes: Avoid using Group 4 products more than twice/season for all registered uses to prevent mite problems.											
Obliquebanded and Threelined	Chlorantraniliprole (Altacor MaX) 34654	28	73 - 143 g	30 - 58 g	12 h	5	Apply when larvae become active. Do not apply more than times/ season. Spray interval: 10 to 14 days (see label).						
Leafrollers	tetraniliprole (Vayego 200 SC) 33711	28	225 ml	91 ml	12 hours	5 days	Max 3 applications per year. Toxic to bees. Do not apply during pre-bloom or blooming period. Apply post-bloom onl						
	cyclaniliprole (Harvanta 50SL) 32889	28	1.2 - 1.6 L	485 - 647 ml	12	7 days	Toxic to bees. Do not make more than 3 applications per crop year. Where possible, rotate the use of Harvanta or other Group 28 insecticides with different groups that contrathe the same pests.						
	Bacillus thuringiensis (Bioprotec PLUS) 32425	11	1.8-2.5 L	0.73-1.0 L	24 h*	0	Will also control other leaf-feeding larvae present. See Notes. Spray interval: 7 days under optimal conditions.						
	spinosad (Success) 26835	5	182 mL	74 mL	dry	3	Do not apply more than 3 times/season. Spray interval: 7 t 10 days.						
	Bacillus thuringiensis (Bioprotec CAF) 26854	11	4.0 L	1.6 L	24 h*	0	Will also control bud moth. Spray interval: 7 days under optimal conditions.						
	cyantraniliprole (Exirel) 30895	28	500-1000 mL	202-404 mL	12 h	3	Monitor adult moth flight and apply at first egg hatch. Do n tank mix with Flint, Pristine, Cabrio, copper and captan fungicides. Toxic to bees. Spray interval: 7 to 10 days.						
	novaluron (Rimon) 28515	15	1.35-3.35 L	0.55-1.35 L	12 h	14	Use higher rate for higher populations. Maximum 3 applications/season. May be harmful to predatory mites. Spray interval: 10 to 14 days.						
	spinosad (Entrust) 30382	5	364 mL	147 mL	dry	3	Do not apply more than 3 times per season against leafrollers. Spray interval: 7 to 10 days.						
	spinetoram (Delegate) 28778	5	210-420 g	85 g -170 g	12 h	5	Do not apply more than 3 times per season. Use the higher rate under high pest pressure and/or larger larvae. Spray interval: 7 days.						
	methoxyfenozide (Intrepid) 27786	18	0.75 L	304 mL	12 h	7	Do not apply more than 2 times per season. Spray interva 10 to 14 days.						
	chlorantraniliprole (Altacor) 28981	28	145-285 g	59-115 g	12 h	1	Apply at first egg hatch based on pheromone trap catches and degree days after biofix. Do not apply more than 3 times						

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes					
							per season. Spray interval: 7 to 14 days (see label).					
	Notes: Altacor, Delegate, Success and Bt products are stomach poisons so complete coverage is important for satisfactory control. Apply Bt when block is 80% or more during late afternoon or on a cloudy day when no rain is forecast for 24 hours. If there is more than 2 mm rainfall within 24 h of application re-apply product. Wait 7 days (in absence of rain) before applying a second treatment of Bt or another product. Optimum solution pH for Bt is 6.											
Spotted Wing Drosophila	GS-omega/kappa- Hxtx-Hv1a (Spear T) 34679	32	9.4 - 28 L	3.8 - 11.3 L	4 h	0	Use a spreader/sticker or non-ionic surfactant (0.125%) to enhance the adhesion of Spear T. Begin applications when fruit begin to ripen. Will control only adult flies, NOT larvae in the fruit.					
	fenpropathrin (Danitol) 33817	3	779 - 1559 ml	315 - 631 ml	24 h - 23 days		Toxic to bees. Maximum 1 application per year. REI/PHI's: 23 days (thinning), 16 days (hand harvesting), 7 days (scouting, hand pruning), 3 days (mechanical harvesting), 2 hours (all other activities)					
	cypermethrin (UP- Cyde 2.5 EC) 28795	3	245 - 285 ml	99 - 115 ml	12 hours	2 days	Allow a minimum of 7 days between treatments. Do not apply more than two treatments. Do not apply during crop bloom period.					
	cyclaniliprole (Harvanta 50SL) 32889	28	1.2 - 1.6 L	485 - 647 ml	12	7 days	Toxic to bees. Do not make more than 3 applications per crop year. Where possible, rotate the use of Harvanta or other Group 28 insecticides with different groups that contrathe the same pests.					
	cypermethrin (Mako) 30316	3	150 - 175 mL	60.7 - 70.8 mL	12 hrs	2 days	May cause mite flare-ups. Short residual (3-5 days) when temperatures are above 25 C. Allow a minimum of 7 days between treatments. Do not apply more than 2 treatments. Do not apply during crop blooming period.					
	spinosad (Success) 26835	5	182 mL	74 mL	4 h	3	Begin applications when fruit begin to ripen. Will control on adult flies, NOT larvae in the fruit. Allow 7 to 10 days between applications. Do not exceed 182 mL product/ha papplication (74 mL/acre); maximum 3 applications per yea					
	cyantraniliprole (Exirel) 30895	28	1000-1500 mL	405-607 mL	12 h	3	Begin application when fruit begin to turn color (straw to pink). Re-apply at 7 day intervals. Do not apply more than times/season. Will control adult flies, NOT larvae inside fru Do not tank mix with Flint, Pristine, Cabrio, copper or capta fungicides. Toxic to bees. Check MRL requirements for fru exports. Spray interval: 7 to 10 days.					
	malathion (Malathion 85E) 8372	1B	855 - 2500 ml/ha	346 - 1012 ml/ac	12 hours - 3 days	3	May be effective for 5 days. May cause leaf drop or fruit finish problems on cherries, particularly when hot, or in low water volumes. Works better at temperatures above 20°C. Max 2 applications per year with 7 day minimum application interval.					

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	spinosad (Entrust) 30382	5	364 mL	147 mL	4 h	3	Begin applications when fruit begin to ripen. Will control only adult flies, NOT larvae in the fruit. Allow 7 to 10 days between applications. Do not exceed 364 mL product/ha pe application (147 mL/acre); maximum 3 applications per year
	spinetoram (Delegate) 28778	5	420 g	170 g	12 h	5	Maximum 3 applications per season with a minimum retreatment interval of 7 days.
	Notes: Do not rely or	n Admire	, Assail or GF-120 for	control of SWD.			
European Paper Wasp	cypermethrin (Mako) 30316	3	150 -170 mL	60.7 - 70.8 mL	12 hrs	2 days	May cause mite flare-ups. Allow a minimum of 7 days between treatments. Do not apply more than 2 treatments. Do not apply during crop blooming period.
Rust Mites and Pearleaf Blister Mite	spirodiclofen (Envidor) 28051	23	750 mL	300 mL	12 h	7	Will control other mites present. Spray interval: minimum 7 days.
Peach Tree Borer	novaluron (Rimon) 28515	15	1.4 L/ 1000 L of water	1.4 L/ 1000 L of water	12 h	14	Begin spray application 7-10 days after first trap catch. Spray tree trunk and scaffold limbs with a hand gun sprayer. Spray interval: 21 days. May harm predatory mites.
	spinetoram (Delegate) 28778	5	420 g	170	12	5	For suppression only: Cover the tree trunk and scaffold limbs, particularly the graft union and any pruning cuts. Thorough coverage is essential. Target the 1st instar larvae stage, beginning 7 to 10 days after first adult trap catch.
Cherry Fruitworm	spinetoram (Delegate) 28778	5	420 g	170 g	12 h	5	If 3 applications are made, the first may be made up to 30 days before harvest, the second up to 12 days before harvest and the final application at 5 days before harvest. Toxic to bees. Do not apply to flowering crops or weeds if bees are visiting the treatment area.
Stink Bugs	Notes: There are no some control. Check			ield advisor. Products	registere	ed for brov	vn marmorated stink bugs (Actara and Clutch) will provide
Powdery Mildew (Sweet Cherries)	pyriofenone (Property 300SC) 32534	50	0.3 - 0.366 L	0.121 - 0.148 L	12 h	14 days	Do not apply more than 1.464 L/ha a year. Do not make more than 2 sequential applications of product or other Group 50 fungicide before rotating to a fungicide with a different MOA.
	fenazaquin (Magister SC) 34544	21 + 39	1.75 - 2.63 L	0.7 - 1.1 L	12 h - 17 days	10 days	Toxic to bees. Avoid application during bloom. Maximum number of applications: 1
	sulphur (Cosavet DF Edge 31869, Kumulus 18836, Microthiol 29487	M2	7.0 kg	2.8 kg	24 h	1	May cause injury during hot weather.

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Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	pyraclostrobin +	7 + 11	0.3 - 0.4 L	0.12 - 0.16 L	12 h -	1 day	Limit sprays of Group 11 fungicides to 2 sprays/season.
	fluxapyroxad				12	(hand	REI's: hand thinning - 12 days, hand harvesting - 1 days,
	(Merivon) 33951				days	harvest)	mechanical harvesting and all other activities - 12 hours.
	pydiflumetofen +	7 + 3	1 L	405 ml	12	0 days	Max 2 applications, then switch to a non-Group 7 and 3
	difenoconazole				hours		fungicide. Application interval: 7 - 14 days.
	(Miravis Duo) 33206						
	mefentrifluconazole	3	0.25 - 0.375 L	0.1 - 0.15 L	. 12	0	Do not make more than 2 sequential applications before
	(Cevya) 33405				hours		alternating to a non-group 3 fungicide registered for the
							same use. Begin applications prior to disease development
							Apply an additional applic. at an interval of 7 - 14 days if
							disease persists or weather conditions are favourable for disease development.
	fluopyram +	7+11	300-400 mL	121-162 mL	12 h	1 day	Use higher rate for high disease pressure. Rotate with
	trifloxystrobin (Luna						fungicides from other groups. Limit use of group 11
	Sensation) 32107						fungicides to 2 applications per season.
	metrafenone	U8	750 mL - 1.12 L	304 - 453 mL	12 h	7	Apply prior to onset of disease and at 14 - 21 day intervals.
	(Vivando) 29765	14	475.040	74.05	101	1	Maximum of 2 sprays/season.
	trifloxystrobin (Flint	11	175-210 g	71-85 g	12 h -	1	Use the higher rate when disease pressure is severe. Limit
	Extra Fungicide) 34962				4		sprays of class 11 fungicides to 2 per season. 4 days REI fo
	mineral oil	NC	10 L	4 L	days 12 h	0	thinning. For suppression of powdery mildew, apply in a minimum of
	(Purespray Green)	INC	IO L	4 -	'2''		1000 L water/ha for two weeks after full bloom to pit
	27666						hardening at 10-14 day intervals. Do not use in combination
	27000						with or within 14 days of sulphur or captan.
	boscalid +	7 + 11	750g - 1 kg	300 g - 405 g	dry -	0	Limit sprays of class 11 fungicides (Flint, Cabrio, Pristine) to
	pyraclostrobin		3 3		10		2 per season for resistance management.
	(Pristine WG) 27985				days		
	penthiopyrad	7	1.0-1.75 L	405-709 mL	12 h	0	Do not apply more than 2 times per season. Use high rate for
	(Fontelis) 30331						high disease pressure.
	pyraclostrobin	11	670 g	270 g	12 h -	10	Use tank mixes with caution. Limit sprays of class 11
	(Cabrio) 27323				9		fungicides (Flint, Cabrio, Pristine) to 2 per season.
					days		
							n, Quash) may be developing. Limit use of group 3 fungicides
	to 2 sprays/season o resistance.	n cherry.	Avoid using these pr	oducts late in the seas	on if pov	wdery mild	ew is abundant. Group 11 fungicides are also at high risk for
Brown Rot	pyraclostrobin +	7 + 11	0.3 - 0.4 L	0.12 - 0.16 L	12 h -	1 day	Limit sprays of Group 11 fungicides to 2 sprays/season.
	fluxapyroxad				12	(hand	REI's: hand thinning - 12 days, hand harvesting - 1 days,
	(Merivon) 33951				days	harvest)	mechanical harvesting and all other activities - 12 hours.

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³Pre-harvest interval (Pesticides Chapter). Note: always read and follow the directions on the pesticide label.

Insect or Disease	Recommended Product Choices	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³ (days)	Precautions and Notes
	pydiflumetofen + difenoconazole (Miravis Duo) 33206	7+3	1 L	405 ml	12 hours	0 days	Max 2 applications per year, then switch to a non-Group 7 and 3 fungicide. Application interval: 7 - 14 days.
	mefentrifluconazole (Cevya) 33405	3	0.25 - 0.375 L	0.1 - 0.15 L	12 hours	0	Do not make more than 2 sequential applications before alternating to a non-group 3 fungicide registered for the same use. Begin applications prior to disease development. Apply an additional applic. at an interval of 7 - 14 days if disease persists or weather conditions are favourable for disease development.
	fluopyram + trifloxystrobin (Luna Sensation) 32107	7+11	300-400 mL	121-162 mL	12 h	1 day	Use higher rate for high disease pressure. Rotate with fungicides from other groups. Limit use of group 11 fungicides to 2 applications per season.
	Isofetamid (Kenja) 31758	7	913 ml	369 ml	12 hrs	1	Suppression only. Apply with a silicone surfactant. Do not apply more than 2 consecutive Group 7 applications. Maximum of 3 applications per year.
	metconazole (Quash 30402)	3	175 - 280 g	71 - 113 g	12 h - 9 days	14	For fruit brown rot apply 14-21 days before harvest. Maximum 1 application/season. REI of 9 days is for thinning
	fenhexamid (Elevate) 25900	17	1.7 kg	690 g	4 h	1	Do not apply more than 2 consecutive applications.
	boscalid (Cantus) 30141	7	370 g	150 g	12 h	0	Avoid more than 2 consecutive applications.
	fenbuconazole (Indar) 27294	3	140 g	57 g	12 h	1	Caution - mildew resistance to group 3 fungicides may be developing. Limit use of group 3 fungicides (Indar, Nova, Princeton, Quash) to 2 sprays/season. Rotate with fungicide from different groups.
	myclobutanil (Nova 40WP) 22399	3	340 g	140 g	12 h-12 days	1	Caution - mildew resistance to group 3 fungicides may be developing. Limit use of group 3 fungicides (Indar, Nova, Topas, Jade, Tilt, Quash) to 2 sprays/season. Rotate with fungicides from different groups. 12 days REI for thinning.
	boscalid + pyraclostrobin (Pristine WG) 27985	7 + 11	750 g - 1 kg	304 - 405 mL	dry - 10 days	0	Limit sprays of Class 11 fungicides (Flint, Cabrio, Prisitine) to 2 per season for resistance management.
	penthiopyrad (Fontelis) 30331	7	1.0-1.75 L	405-709 mL	12 h	0	Do not apply more than 2 times/season. Use high rate for high disease pressure. Use minimum of 1.25 L/ha to also control botrytis.
	captan (Captan Supra 33641,	M4	3.75 - 4.5 kg	1.5 - 1.8 kg	48 h	2	·

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Stage of Develo	pment: Summer										
Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes				
	Product Choices					(days)					
	Maestro 33488)										
	Notes: Fruit becomes increasingly susceptible to brown rot as it ripens. Rotate fungicides for resistance management. Follow pre-harvest intervals.										
Botrytis Rot of	penthiopyrad	7	1.25-1.75 L	506-709 mL	12 h	0	Do not apply more than 2 times per season. Use high rate for				
Cherry	(Fontelis) 30331						high disease pressure.				
	Notes: Many fungicides used for brown rot will also help to control botrytis, including Kenja, Rovral, Elevate, Pristine, Cantus and Senator. However,										
	botrytis resistance to	Rovral a	and Senator may be pr	esent in some orchard	ls.						

Insect or Disease	Recommended	Grp ¹	Amount Per Ha	Amount Per Acre	REI ²	PHI ³	Precautions and Notes
	Product Choices	-				(days)	
Cherry Fruit Flies	dimethoate (Cygon	1B	2.7 L	1.09 L	12 h -	21 days	Will also control cherry fruitworm, pear sawfly (cherry slug).
	400EC) 35268				20		
					days		
			2.25 L	910 mL	12 h -	n/a	Will also control apple mealy bug, pear sawfly (cherry slug).
					20		
					days		
Shothole Borer	Notes: See description	on of sho	othole borer for cultura	l control options.			
Mealybugs	Notes: See notes. Se	ee descr	ption of mealybugs.				
Bacterial Canker of	Copper hydroxide	M1	8.8 - 13.1 L	3.5 - 5.3 L	48 hrs	2 days	Apply when 3/4 leaves have fallen. Use low rate for small
Stone Fruits	(Parasol) 25901						trees, high rate for large trees.
	copper octanoate	M1	Prepare 0.5-2%				Apply 470-940 L of mixture/ha at 10% and 80% leaf fall
	(Cueva Commercial)		solution (5-20				(maximum 6 applications per season). See bacterial canker
	31825		L/1000 L water)				description.
	copper oxychloride	M1	6-9 kg	2.4-3.6 kg	48 h	n/a	Apply when at least 75% leaves have fallen to protect leaf
	(Copper Spray						scars.
	19146)						
Post-Harvest Rots	Pseudomonas	NC	n/a	n/a	n/a	n/a	For suppression of Botrytis and Penicillium, apply post-
Initiated in the	syringae (Bio-Save)						harvest dip, drench or spray application to harvested fruit in a
Orchard	29673						packinghouse. See label for details.
	fludioxonil (Scholar)	12	n/a	n/a	n/a	n/a	For protection against Brown, Botrytis and Rhizopus rots,
	29528						apply post-harvest dip or drench application to harvested fruit
					<u> </u>		in the packinghouse. See label for details.
Powdery Mildew	mineral oil	NC	10 L	4 L	12 h	0	For suppression of powdery mildew, apply in a minimum of
(Sweet Cherries)	(Purespray Green)						1000 L water/ha.
	27666						

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