# **Prunes and Plums**

Insect or Disease	Recommended Product	Grp <sup>1</sup>	Αmoι	unt per	REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes			
Insect of Disease	Choices	Gip-	На	Acre	KEI-	(days)	Frecautions and Notes			
Rust mites	lime-sulphur 23% or lime-sulphur 30% plus	M2	5 L/100 L water 3.67L/100 L water 1.25 L/100 L water		48 h	n/a				
	dormant oil spray	NC								
	dormant oil (Guardsman)	NC	90 L	36 L	12 h	n/a	One application/season. Apply in sufficient water volume t ensure thorough and uniform coverage. Do not use prior to			
San Jose scale	Superior 70 oil	NC	60 L	24 L	12 h	n/a	or during freezing temperatures or rain. Apply when buds are just breaking. Do not use after green tip stage.			
	mineral oil (Purespray Green Spray Oil 13E)	NC	20L/1000 L of Water		12 h	0	Apply at green tip to delayed dormant. Do not apply just prior to or during freezing temperatures or rain.			
European red mite	mineral oil (Purespray Green Spray Oil 13E)	NC	20L/1000 L of Water		12 h	0	Apply at green tip to delayed dormant. Do not apply just prior to or during freezing temperatures or rain.			
Ambrosia beetle	Notes: Cultural control. See p	Notes: Cultural control. See page 6-1.								

Stage of Development: Pink										
Insect or Disease Recommended Product Choices	Recommended Product	Grp <sup>1</sup>	Amount per		REI <sup>2</sup>	PHI <sup>3</sup> (days)	Precautions and Notes			
	Gib-	На	Acre	Frecautions and Notes						
Brown rot	fluxapyroxad (Sercadis)	7	333 mL	135 mL	12 h	0	Apply when conditions favour disease development and at 7-14 day intervals, up to the blossom stage. Maximum 4 applications/season. The use of a non-ionic surfactant (0.125%) is recommended.			

<sup>1</sup>Group number for resistance management (See Resources). NC=not classified.

<sup>&</sup>lt;sup>2</sup>Re-entry interval on the label (See Resources-PHI-References). An asterisk(\*) indicates that no re-entry is shown on the label, but the WorkSafe BC re-entry interval may apply and is shown. <sup>3</sup>Pre-harvest interval (See Resources-PHI). Note: always read and follow the directions on the pesticide label. **1** 

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nsect or Disease	Recommended Product	<b>Grp</b> <sup>1</sup>		int per	REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes
Insect of Disease	Choices	Gib	На	Acre		(days)	
	penthiopyrad (Fontelis)	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.
	boscalid (Cantus WDG)	7	370 g	150 g	12 h	0	Avoid more than 2 consecutive applications
	fluxapyroxad (Sercadis)	7	333 mL	135 mL	12 h	0	Apply when conditions favour disease development and at 7-14 day intervals, up to the blossom stage. Maximum 4 applications/season. The use of a non-ionic surfactant (0.125%) is recommended.
	boscalid + pyraclostrobin (Pristine WG)	7 + 11	750 g – 1 kg	304 – 405 g	dry – 10 days	0	Limit sprays of group 11 fungicides to 2 per season for resistance management.
	thiophanate-methyl (Senator 70% WP)	1	1.75 kg	710 g	24 h*	1	
Brown rot	captan (Captan 80% or Maestro)	M4	3.75-4.5 kg	1.5-1.8 kg	48 h	2	Do not apply captan in combination with or immediately before or closely following oil sprays.
	iprodione (Rovral 50% WP)	2	1.5 kg	610 g	12 h	1	
	fenbuconazole (Indar 75 WSP)	3	140 g	57 g	12 h	1	Limit use of group 3 fungicides (Indar, Topas, Jade, Tilt) to 2
	propiconazole (Topas 250E or Jade or Tilt 250E)	3	500 mL	200 mL	3 days	3	sprays/season. Rotate with fungicides from different groups.
	triforine (Funginex 19% EC)	3	2.5 L	1L	48 h	See Notes	Do not apply after blossom.
	cyprodinil (Vangard 75 WG)	9	370 g	150 g	3 days	2	Maximum 2 applications To blossom stage
	Bacillus subtilis (Serenade Max)	44	2.0 – 3.0 kg	800 g – 1.2 kg	24 h*	0	Suppression only. Begin at early bloom and repeat at 7 day intervals through petal fall.
	Additional notes: Brown rot in	fection be	gins at bloom. Prot	ect blossoms if wea	ther is wet. F	Rotate fungi	cides for resistance management.
Leafrollers, Fruitworms	<i>Bacillus thuringiensis</i> (Dipel 2X DF or Bioprotec CAF)	11	1.675 kg 4.0 L	678 g 1.6 L	24 h*	0	Will also control bud moth and other caterpillars. Apply Bt 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. Optimum

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Insect or Disease	Recommended Product	<b>Grp</b> <sup>1</sup>		nt per	REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes
Insect of Disease	Choices	Cib	На	Acre	KEI	(days)	Frecautions and Notes
	penthiopyrad (Fontelis)	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.
	boscalid (Cantus WDG)	7	370 g	150 g	12 h	0	Avoid more than 2 consecutive applications
	boscalid + pyraclostrobin (Pristine WG)	7 + 11	750 g – 1 kg	304 g – 405 g	dry – 10 days	0	Limit sprays of group 11 fungicides to 2 per season for resistance management.
	fenbuconazole (Indar 75 WSP)	3	140 g	57 g	12 h	1	Limit use of group 3 fungicides (Indar, Topas, Jade, Tilt) to sprays/season. Rotate with fungicides from different
Brown rot	propiconazole (Topas 250E or Jade or Tilt 250E)	3	500 mL	200 mL	3 days	3	groups.
	captan (Captan 80% or Maestro)	M4	3.75-4.5 kg	1.5-1.8 kg	48 h	2	
	iprodione (Rovral 50% WP)	2	1.5 kg	610 g	12 h	1	
	Bacillus subtilis (Serenade Max)	44	2.0 – 3.0 kg	800 g – 1.2 kg	24 h*	0	Suppression only.
		fection be	gins at bloom. Prot	tect blossoms if wea	ather is wet.	Rotate fung	icides for resistance management.
	Bacillus thuringiensis (Dipel 2X DF or Bioprotec CAF)	11	1.675 kg 4.0 L	678 g 1.6 L	24 h*	0	Will also control bud moth.
	spinetoram (Delegate WG)	5	210- 420 g	85-170 g	12 h	3	Use pheromones to monitor adult moth flight, and apply first egg hatch. Maximum 3 applications per season. Use the higher rate under high pest pressure and/or larger larvae.
Leafrollers	spinosad (Success 480 SC or Entrust SC)	5	182 mL 364 mL	74 mL 147 mL	dry	3	Do not apply more than 3 times per season.
	Sulfoxaflor + spinetoram (TwinGuard)	4C, 5	250-500 g	101-202 g	12 h	7	Apply when larvae are active. Do not apply more than 2 times per season. Toxic to bees.
	chlorantraniliprole (Altacor)	28	145 – 285 g	59-115 g	12 h	1	Monitor larval populations in the spring and apply when larvae are active. Do not apply more than 3 times /seaso For rates above 215 g/ha (87 g/ac), do not apply more th twice/season.
	novaluron (Rimon 10 EC)	15	1.35-3.35 L	0.55-1.35 L	12 h	14	For obliquebanded leafroller. Use high rate for higher populations. Do not apply more than 3 times/season.

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# **Prunes and Plums**

Stage of Developm	Recommended Product	<b>a</b> 1	Amount per		DE!	PHI <sup>3</sup>	
Insect or Disease	Choices	Grp <sup>1</sup>	На	Acre	REI <sup>2</sup>	(days)	Precautions and Notes
Leafrollers	cyantraniliprole (Exirel)	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, Sovran, Pristine, copper or captan fungicides. Toxic to bees.
	Additional notes: Bt products, S	Success, D	elegate and Altacor	are stomach poiso	ns so complet	te coverage	is important for satisfactory control.
Fruitworms	Bacillus thuringiensis (Dipel 2X DF or Bioprotec CAF)	11	1.675 kg 4.0 L	678 g 1.6 L	24 h*	0	Will also control bud moth. Apply Bt 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. Optimum solution pH for Bt products is 6.
Everyofted bud moth	spinosad (Success 480 SC or Entrust SC)	5	182 mL 364 mL	74 mL 147 mL	dry	3	Do not apply more than 3 times per season.
Eyespotted bud moth	cyantraniliprole (Exirel)	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, Sovran, Pristine, copper or captan fungicides. Toxic to bees.

Stage of Developm	ent: Summer						
Insect or Disease	Recommended Product	<b>Grp</b> <sup>1</sup>	Amou	nt per	REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes
insect of Discuse	Choices	Cip	На	Acre	NEI -	(days)	Treducions and Notes
	mating disruption (Isomate-P dispensers)	NC	250-625	100-250	n/a	0	Apply before moth emergence. See peach tree borer description.
Peach tree borer	endosulfan (Thionex 50% WP 🎗)	2A	See Notes		7-20 days	20	Mix 1.5 kg/ 1000 L: apply to tree trunk and crotches when first moths are caught in pheromone traps. Repeat in 4 weeks. Last date of use, December 31, 2016.
	novaluron (Rimon 10 EC)	15	1.4 L/1000L of water		12 h	14	Begin spray applications 7-10 days after first trap catch. Spray tree trunk and scaffold limbs with a hand gun sprayer. Repeat at 21 days. May harm predatory mites.
Rust mites	endosulfan (Thionex 50% WP 🎗)	2A	3.25 kg	1.3 kg	7-20 days	20	Last date of use, December 31, 2016.
European red mite, McDaniel and Two-	spirodiclofen (Envidor 240 SC)	23	750 mL	300 mL	12 h	7	Will also control rust mites. Use Envidor only once per season.
spotted spider mites	bifenazate (Acramite 50 WS)	25	851 g	344 g	12 h	7	Do not apply more than once/season. Will not control rust mites.
European red mite	mineral oil (Purespray Green Spray Oil 13E)	NC	10L	4	12 h	0	Suppression only. Begin applications when mites first appear, allow 10 - 14 days between applications. Do not apply less than 1000 L water/ha (1% solution). Do not use within 14 days before or after captan. Post harvest sprays may be made to reduce over-wintering pressure.

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## **Prunes and Plums**

Insect or Disease	Recommended Product	<b>Grp</b> <sup>1</sup>	Amount per		REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes
	Choices	Gib-	На	Acre	KEI-	(days)	Precautions and Notes
	flonicamid (Beleaf 50 SG)	9C	160 g	65 g	12-48 h	14	Experience in the field indicates there may be issues with current label rate.
	spirotetramat (Movento 240 SC)	23	365-435 mL	148-176 mL	12 h	7	Apply Movento with an adjuvant such as Agral 90.
	clothianidin (Clutch 50 WDG)	4A	140-210 g	57-85 g	12 h	7	Do not apply more than twice per season.
	sulfoxaflor (Closer SC)	4C	100-200 mL	40-80 mL	12 h	7	Do not apply more than 2 times/season.
Aphids	sulfoxaflor + spinetoram (TwinGuard)	4C, 5	250 g	101 g	12 h	7	Do not apply more than 2 times per season. Toxic to bee
	cyantraniliprole (Exirel)	28	750-1500 mL	304-607 mL	12 h	3	Do not apply more than 4 times/season. Do not tank mix with Flint, Sovran, Pristine, copper or captan fungicides. Toxic to bees.
	mineral oil (Purespray Green Spray Oil 13E)	NC	10 L	4 L	12 h	0	Prevents aphids from feeding. Begin applications when aphids first appear, allow 10 - 14 days between applications. Do not use within 14 days of captan. Apply post-harvest to reduce over-wintering pressure.
	Additional notes: Not all stone of each variety to confirm toler						It is therefore important to limit application to a small are oom.
Leafhoppers	clothianidin (Clutch 50 WDG)	4A	140-210 g	57-85 g	12 h	7	Do not apply more than two times/season.
Leamoppers	endosulfan (Thionex 50% WP ဳ)	2A	3.25 kg	1.3 kg	7-20 days	20	Last date of use, December 31, 2016.
Shothole borer	Notes: See description of shot	hole vore	r for information on	Cultural control.			
	Bacillus thuringiensis (Dipel 2X DF or Bioprotec CAF)	11	1.675 kg 4.0 L	678 g 1.6 L	24 h*	0	Will also control bud moth.
	chlorantraniliprole (Altacor)	28	145 – 285 g	59-115 g	12 h	1	Monitor adult moth flight and apply at first egg hatch. Do not apply more than 3 times /season. For rates above 21 g/ha (87 g/ac), do not apply more than twice/season.
Leafrollers	cyantraniliprole (Exirel)	28	500-1000 mL	202-404 mL	12 h	3	Monitor adult moth flight and apply at first egg hatch. Do not tank mix with Flint, Sovran, Pristine, copper or captan fungicides. Toxic to bees.
	novaluron (Rimon 10 EC)	15	1.35-3.35 L	0.55-1.35 L	12 h	14	For obliquebanded leafroller. Use high rate for higher populations, do not apply more than 3 times/season.
	spinetoram (Delegate WG)	5	210- 420 g	85-170 g	12 h	3	Do not apply more than 3 times per season. Use the high rate under high pest pressure and/or larger larvae.
	spinosad (Success 480 SC or Entrust SC)	5	182 mL 364 mL	74 mL 147 mL	dry	3	Do not apply more than 3 times per season.

<sup>1</sup>Group number for resistance management (See Resources). NC=not classified.

## **Prunes and Plums**

Insect or Disease	Recommended Product	<b>Grp</b> <sup>1</sup>	Amou	nt per	REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes					
Insect or Disease	Choices	Grp-	На	Acre	NEI-	(days)	Precautions and Notes					
Leafrollers	sulfoxaflor + spinetoram (TwinGuard)	4C, 5	250-500 g	101-202 g	12 h	7	Apply at first egg hatch. Do not apply more than 2 times per season. Toxic to bees.					
	Additional notes: All products are stomach poisons so complete coverage is important for satisfactory control.											
	Bacillus thuringiensis (Dipel 2X DF or Bioprotec CAF)	11	1.675 kg 4.0 L	678 g 1.6 L	24 h*	0	Apply Bt during late afternoon or on a cloudy day when no rain is forecast for 24 hours. Optimum solution pH for Bt products is 6.					
Eyespotted bud moth	spinosad (Success 480 SC or Entrust SC)	5	182 mL 364 mL	74 mL 147 mL	dry	3	Do not apply more than 3 times per season.					
	cyantraniliprole (Exirel)	28	500-1000 mL	202-404 mL	12 h	3	Do not apply more than 4 times per season. Do not tank mix with Flint, Sovran, Pristine, copper or captan. Toxic to bees.					
	sulfoxaflor (Closer SC)	4C	200-400 mL	80-160 mL	12 h	7	Do not apply more than 2 times per season.					
San Jose scale	sulfoxaflor + spinetoram (TwinGuard)	4C, 5	250-500 g	101-202 g	12 h	7	Apply when crawlers are active. Thorough coverage is important for good control. Do not apply more than 2 times per season. Toxic to bees.					
Spotted wing	cyantraniliprole (Exirel)	28	1000-1500 mL	404-607 mL	12 h	3	Begin applications when fruit begin to ripen. Re-apply at 7 day intervals. Do not apply more than 4 times/season. Will control only adult flies, NOT larvae inside fruit. Do not tank mix with Flint, Sovran, Pristine, copper or captan fungicides Toxic to bees.					
drosophila	phosmet (Imidan 70 WP)	1B	2.68 kg	1 kg	7 days	14	Do not apply more than 3 times/season.					
	Additional notes: Emergency re intervals and directions.	egistration	requests for Delega	ite, Entrust, Malath	ion and Ripco	ord will be su	ubmitted in 2016. Please see labels for rates, pre-harvest					
	penthiopyrad (Fontelis)	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.					
	boscalid (Cantus WDG)	7	370 g	150 g	12 h	0	Avoid more than 2 consecutive applications					
Brown rot	boscalid + pyraclostrobin (Pristine WG)	7 + 11	750 g – 1 kg	304 g – 405 g	dry – 10 days	0	Limit sprays of group 11 fungicides to 2 per season for resistance management.					
	captan (Captan 80% or Maestro)	M4	3.75-4.5 kg	1.5-1.8 kg	48 h	2						
	iprodione (Rovral 50% WP)	2	1.5 kg	610 g	12 h	1						
	fenbuconazole (Indar 75 WSP)	3	140 g	57 g	12 h	1	Limit use of group 3 fungicides to 2 sprays/season. Rotate with fungicides from different groups.					

<sup>1</sup>Group number for resistance management (See Resources). NC=not classified.

## **Prunes and Plums**

Stage of Development: Summer										
Insect or Disease	Recommended Product	<b>Grp</b> <sup>1</sup>	Amount per		REI <sup>2</sup>	PHI <sup>3</sup>	Precautions and Notes			
Insect of Disease	Choices	Gib-	На	Acre	NEI .	(days)	Frecautions and Notes			
Brown rot	propiconazole (Topas 250E or Jade or Tilt 250E)	3	500 mL	200 mL	3 days	3				
	cyprodinil (Vangard 75 WG)	9	740 g	300 g	3 days	2	Do not apply more than twice to fruit.			
	Additional notes: Fruit become	es increasir	ngly susceptible to b	prown rot as it ripe	ens. Rotate fun	gicides for r	esistance management. Follow pre-harvest intervals.			

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