

2025



EXTENSION AND ADVISORY TEAM

GUIDE TO INSECT AND DISEASE MANAGEMENT IN HASKAP



DISCLAIMER

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Discard old editions of the pesticide spray guide. Each year, Perennia specialists update the pesticides and information contained in this publication.

ONLINE RESOURCE

The information contained in the following summary is also available online in an interactive format at <https://www.farmdatatools.perennia.ca/pest-guides/>

Emergency and First Aid Procedure for Pesticide Poisoning

- If poisoning from exposure to a pesticide by swallowing, inhalation or contact with skin or eyes is suspected, read the product label of the pesticide container and carry out first aid treatment as suggested.
- If a person is seriously injured, call 911 immediately.
- Emergency advice on pesticide poisoning is available 24 hours/day from the Atlantic Canada Poison Centre. Phone: 1-844-764-7669 (NS & PEI).

All Pesticides in the Haskap Insect and Disease Guide 2025



PCP #	Pesticide	Active Ingredient	Group	PHI (days)	REI (days)	Product Maximum	Application Interval	Pesticide Type
8372	Malathion 85 E	malathion	01B	1-2, see label	0.5-1, see label	3 app	4-7 d	Insecticide
33817	Danitol 30.9 EC	fenpropathrin	3	15	1-17, see label	2 app	14 d	Insecticide
28359	Proline 480 SC	prothioconazole	3	7	1-3, see label	2 app	10-14 d	Fungicide
15738	Ripcord 400 EC	cypermethrin	3	2	0.5	2 app	7 d	Insecticide
34155	Soratel 250 EC	prothioconazole	3	7	1-3, see label	2 app, 1.6 L/ha	10-14 d	Fungicide
28795	Up-cyte 2.5 EC	cypermethrin	3	2	0.5	2 app	7 d	Insecticide
28408	Actara 25 WG	thiamethoxam	4	3	0.5	2 app	7 d	Insecticide
33353	Cormoran EC	acetamiprid and novaluron	04, 15	8	0.5	3 app	10-14 d	Insecticide
24094	Admire 240 SC	imidacloprid	04A	3	0.5	2 app	7-10 d	Insecticide
30826	Closer 240 SC	sulfoxaflor	04C	1	0.5	2-3 app, 800 mL/ha, see label	7 d	Insecticide
31452	Sivanto Prime 200 SN	flupyradifurone	04D	3	0.5	2000 mL/ha	7 d	Insecticide
28778	Delegate 25 WG	spinetoram	5	1	0.5	3 app	12 d	Insecticide
30382	Entrust 240 SC	spinosad	5	1-3, see label	0.5, when dry	3 app	5-10 d	Insecticide
27825	Entrust 80 WG	spinosad	5	3	0.5, when dry	3 app	7-10 d	Insecticide
26835	Success 480 SC	spinosad	5	1-3, see label	0.5, when dry	3 app	5-10 d	Insecticide
30331	Fontelis 200 SC	penthiopyrad	7	0	0.5	5 app, 5.25 L/ha	7-10 d	Fungicide
30509	Luna Privilege 500 SC	fluopyram	7	0	0.5	2 app	7-10 d	Fungicide
30511	Proline Gold SC	fluopyram + prothioconazole	7, 3	7	1-3, see label	2 app	7-14 d	Fungicide
30510	Luna Tranquility SC	fluopyram + pyrimethanil	7, 9	0	0.5	2-3 app, 4L/ha, see label	7-14 d	Fungicide
28189	Switch 62.5 WG	cyprodinil + fluodioxinil	9, 12	1	0.5	3 app	7-10 d	Fungicide
26508	Dipel 2X DF	Bacillus thuringiensis	11	0	0.2, when dry	-	3-14 d	Insecticide
24503	Confirm 240 F	tebufenozide	18	14	0.5	4 app, 4.6 L/ha	7-14 d	Insecticide
27786	Intrepid 240 SC	methoxyfenozide	18	7	0.5	2 L/ha	7-14 d	Insecticide
32918	Diplomat 5 SC	polyoxin d zinc salt	19	0	0.5, when dry	2.78 L/ha	7-10 d	Fungicide
25134	SanMite 75 WP	pyridaben	21	-	0.5	8 app	28 d	Insecticide
28953	Movento 240 SC	spirotetramat	23	7	0.5	1.83 L/ha	7 d	Insecticide
28981	Altacor 35 WG	chlorantraniliprole	28	1	0.5	3 app, 645 g/ha	7 d	Insecticide
30895	Exirel 100 SC	cyantraniliprole	28	3	0.5	4 app, 4.5 L/ha	5 d	Insecticide
32889	Harvanta 50 SL	cyclaniliprole	28	1	0.5	3 app	5 d	Insecticide
31865	Taegro 2 WP	Bacillus subtilis var. amyloliquefaciens Strain FZB24	44	0	0	-	7-14 d	Bactericide,Fungicide
33508	Orondis Gold EC	oxathiapiprolin + metalaxyl-M and S-isomer	49, 4	1	0.5	2 app	30 d	Fungicide
30054	Serifel WP	Bacillus amyloliquefaciens	BM02	0	0.2, when dry	-	2-10 d	Fungicide
33589	Double Down 99 SN	mineral oil	NC	-	0.5	8 app	7-14 d	Insecticide
27666	Purespray Green 13 E	mineral oil	NC	-	0.5	8 app	7-14 d	Fungicide,Insecticide,Miticide
33099	SuffOil-X 80 E	mineral oil	NC	0	0.5	8 app	7-14 d	Fungicide,Insecticide,Miticide

All Pesticides in the Haskap Insect and Disease Guide 2025



PCP #	Pesticide	Active Ingredient	Group	PHI (days)	REI (days)	Product Maximum	Application Interval	Pesticide Type
32408	Vegol Crop Oil 96 EC	canola oil	NC	0	-	6 app, see label	7-14 d	Fungicide,Insecticide,Miticide
30449	Phostrol 53.6 LI	mono- and dibasic sodium, potassium, and ammonium phosphites	P07	0	0.5	4 app	14 d	Fungicide
32233	Avian Control 20 LI	methyl anthranilate		0	-	5 app	6-8 d	Animal Repellent
32819	Doktor Doom Formula 420 Professional Use 3-in-1 96 EC	canola oil		0	-	6 app, see label	7-14 d	Fungicide,Insecticide,Miticide
33395	SuffoCoat 96 EC	canola oil		0	-	6 app, see label	7-14 d	Fungicide,Insecticide,Miticide

Pest	Pesticide Products	Active Ingredient	Group	Rate	Water Volume	PHI (days)	REI (days)	Product Maximum	App Interval	Notes / Restrictions / Warnings	Status Update
Aphids	Admire 240 SC	imidacloprid	04A	175-350 mL/ha, see label	Maximum 1000 L/ha	3	0.5	2 app	7-10 d	Crop Stage: Do not apply until petal fall. Application allowed post-bloom with renovation after harvest. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Closer 240 SC	sulfoxaflor	04C	100-400 mL/ha, see label	200-1000 L/ha	1	0.5	2-3 app, 800 mL/ha, see label	7 d	Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Doktor Doom Formula 420 Professional Use 3-in-1 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Double Down 99 SN	mineral oil	NC	1-2% v/v, see label	Maximum 1000 L/ha	-	0.5	8 app	7-14 d	Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Movento 240 SC	spirotetramat	23	220-585 mL/ha, see label	200-3000 L/ha	7	0.5	1.83 L/ha	7 d	Crop Stage: Post-bloom.Pollinators: Toxic to bee brood.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Purespray Green 13 E	mineral oil	NC	1-2% v/v, see label	Maximum 1000 L/ha	-	0.5	8 app	7-14 d	Recommendations: Efficacy varies depending on pest. See efficacy table and product label. Do not apply if freezing or hot temperatures are forecast.	
	Sivanto Prime 200 SN	flupyradifurone	04D	500-1000 mL/ha, see label	Minimum 100 L/ha	3	0.5	2000 mL/ha	7 d	Pollinators: Toxic to some bees.	
	SuffoCoat 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
	SuffOil-X 80 E	mineral oil	NC	13 L in 1000 L water	Maximum 1000 L/ha	0	0.5	8 app	7-14 d	Recommendations: Product provides suppression only.	
Army cutworm	Vegol Crop Oil 96 EC	canola oil	NC	2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
	Confirm 240 F	tebufenozide	18	1.0-1.2 L/ha, see label	Minimum 300 L/ha	14	0.5	4 app, 4.6 L/ha	7-14 d	Coverage: Thorough.	
Birds	Avian Control 20 LI	methyl anthranilate		2.4 L/ha	200-1000 L/ha	0	-	5 app	6-8 d	Pest Stage: Preventative.Crop Stage: Ripening fruit.Coverage: Thorough. Use a non-ionic surfactant at 0.06-0.25% v/v.	
Blueberry gall midge	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Movento 240 SC	spirotetramat	23	220-585 mL/ha, see label	200-3000 L/ha	7	0.5	1.83 L/ha	7 d	Crop Stage: Post-bloom.Pollinators: Toxic to bee brood.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Blueberry maggot	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Movento 240 SC	spirotetramat	23	220-585 mL/ha, see label	200-3000 L/ha	7	0.5	1.83 L/ha	7 d	Crop Stage: Post-bloom.Pollinators: Toxic to bee brood.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Botrytis grey mould	Diplomat 5 SC	polyoxin d zinc salt	19	463-926 mL/ha, see label	-	0	0.5, when dry	2.78 L/ha	7-10 d	Pest Stage: Begin preventatively.Coverage: Thorough, minimal runoff.Recommendations: Product provides suppression only.	
	Fontelis 200 SC	penthiopyrad	7	1.0-1.75 L/ha, see label	Minimum 100 L/ha	0	0.5	5 app, 5.25 L/ha	7-10 d	Pest Stage: Begin preventatively.Recommendations: Do not apply more than 2 sequential applications before alternating to a product from a different FRAC group.	
	Luna Privilege 500 SC	fluopyram	7	150-500 mL/ha, see label	Minimum 500 L/ha	0	0.5	2 app	7-10 d	Pest Stage: Begin preventatively.	

Pest	Pesticide Products	Active Ingredient	Group	Rate	Water Volume	PHI (days)	REI (days)	Product Maximum	App Interval	Notes / Restrictions / Warnings	Status Update
	Luna Tranquility SC	fluopyram + pyrimethanil	07, 09	1.2 L/ha	Minimum 500 L/ha	0	0.5	2-3 app, 4L/ha, see label	7-14 d	Pest Stage: Begin preventatively.	
	Serifel WP	Bacillus amyloliquefaciens	BM02	250-500 g/ha, see label	-	0	0.2, when dry	-	2-10 d	Pest Stage: Begin preventatively.	
	Switch 62.5 WG	cyprodinil + fluodioxinil	09, 12	775-975 g/ha, see label	200-1000 L/ha	1	0.5	3 app	7-10 d	Crop Stage: Begin at early bloom.	
	Taegro 2 WP	Bacillus subtilis var. amyloliquefaciens Strain FZB24	44	187.5-375 g/ha, see label	Minimum 200-1000 L/ha, see label	0	0	-	7-14 d	Coverage: Foliar or drench application.Recommendations: Product provides suppression only.	
Brown marmorated stink bug	Actara 25 WG	thiamethoxam	4	210-280 g/ha, see label	Minimum 100 L/ha	3	0.5	2 app	7 d	Crop Stage: Do not apply pre-bloom or during bloom.Pollinators: Toxic to bees.	
Cranberry tipworm	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Movento 240 SC	spirotetramat	23	220-585 mL/ha, see label	200-3000 L/ha	7	0.5	1.83 L/ha	7 d	Crop Stage: Post-bloom.Pollinators: Toxic to bee brood.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Eyespotted bud moth	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Flea beetles	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Fruitworms	Altacor 35 WG	chlorantraniliprole	28	215-285 g/ha, see label	Minimum 200 L/ha	1	0.5	3 app, 645 g/ha	7 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Confirm 240 F	tebufenozide	18	1.0-1.2 L/ha, see label	Minimum 300 L/ha	14	0.5	4 app, 4.6 L/ha	7-14 d	Coverage: Thorough.	
	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Japanese beetle	Admire 240 SC	imidacloprid	04A	175-350 mL/ha, see label	Maximum 1000 L/ha	3	0.5	2 app	7-10 d	Crop Stage: Do not apply until petal fall. Application allowed post-bloom with renovation after harvest. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Altacor 35 WG	chlorantraniliprole	28	215-285 g/ha, see label	Minimum 200 L/ha	1	0.5	3 app, 645 g/ha	7 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Leafhoppers	Admire 240 SC	imidacloprid	04A	175-350 mL/ha, see label	Maximum 1000 L/ha	3	0.5	2 app	7-10 d	Crop Stage: Do not apply until petal fall. Application allowed post-bloom with renovation after harvest. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Closer 240 SC	sulfoxaflor	04C	100-400 mL/ha, see label	200-1000 L/ha	1	0.5	2-3 app, 800 mL/ha, see label	7 d	Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	

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Leafrollers	Altacor 35 WG	chlorantraniliprole	28	215-285 g/ha, see label	Minimum 200 L/ha	1	0.5	3 app, 645 g/ha	7 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Confirm 240 F	tebufenozide	18	1.0-1.2 L/ha, see label	Minimum 300 L/ha	14	0.5	4 app, 4.6 L/ha	7-14 d	Coverage: Thorough.	
	Dipel 2X DF	Bacillus thuringienis	11	525-1125 g/ha, see label	600 L/ha	0	0.2, when dry	-	3-14 d	Pest Stage: Early instar.Coverage: Thorough.	
	Entrust 240 SC	spinosad	5	267-440 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
	Entrust 80 WG	spinosad	5	80-109 g/ha, see label	300-500 L/ha	3	0.5, when dry	3 app	7-10 d	Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Harvanta 50 SL	cyclaniliprole	28	1.2-1.6 L/ha, see label	200-1400 L/ha	1	0.5	3 app	5 d	Crop Stage: Avoid application during bloom.Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label. Do not apply a group 28 insecticide more than 2 consecutive times within a 30 day period or within a single generation of insect pest.	
	Intrepid 240 SC	methoxyfenozide	18	0.5 L/ha	Minimum 300 L/ha	7	0.5	2 L/ha	7-14 d	Pest Stage: At threshold.	
	Success 480 SC	spinosad	5	145-220 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
Lepidoptera	Confirm 240 F	tebufenozide	18	1.0-1.2 L/ha, see label	Minimum 300 L/ha	14	0.5	4 app, 4.6 L/ha	7-14 d	Coverage: Thorough.	
Lesser appleworm	Altacor 35 WG	chlorantraniliprole	28	215-285 g/ha, see label	Minimum 200 L/ha	1	0.5	3 app, 645 g/ha	7 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Mealybugs	Doktor Doom Formula 420 Professional Use 3-in-1 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	SuffoCoat 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
	Vegol Crop Oil 96 EC	canola oil	NC	2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
Mites	Doktor Doom Formula 420 Professional Use 3-in-1 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Double Down 99 SN	mineral oil	NC	1-2% v/v, see label	Maximum 1000 L/ha	-	0.5	8 app	7-14 d	Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Purespray Green 13 E	mineral oil	NC	1-2% v/v, see label	Maximum 1000 L/ha	-	0.5	8 app	7-14 d	Recommendations: Efficacy varies depending on pest. See efficacy table and product label. Do not apply if freezing or hot temperatures are forecast.	
	SanMite 75 WP	pyridaben	21	142-284 g in 1000 L water, see label	Maximum 1000 L/ha	-	0.5	8 app	28 d	Pollinators: Toxic to bees.	
	SuffoCoat 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
	SuffoOil-X 80 E	mineral oil	NC	13 L in 1000 L water	Maximum 1000 L/ha	0	0.5	8 app	7-14 d	Recommendations: Product provides suppression only.	
	Vegol Crop Oil 96 EC	canola oil	NC	2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
Monilinia blight	Proline Gold SC	fluopyram + prothioconazole	07, 03	750 mL/ha	Minimum 100 L/ha	7	1-3, see label	2 app	7-14 d	Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	

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Phytophthora root rot	Orondis Gold EC	oxathiapiprolin + metalaxyl-M and S-isomer	49, 04	4.57 L/ha	Minimum 2000 L/ha	1	0.5	2 app	30 d	Crop Stage: Application timing varies for new vs. established plantings. See label.	
	Phostrol 53.6 LI	mono- and dibasic sodium, potassium, and ammonium phosphites	P07	2.9-5.8 L/ha, see label	Minimum 400 L/ha	0	0.5	4 app	14 d	Crop Stage: Begin at pink bud.Crop Safety: Product may cause crop injury in the form of marginal leaf necrosis and brown spots.Recommendations: Product provides suppression only.	
Plum curculio	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Powdery mildew	Nova 40 WSP	myclobutanil	3								
	Luna Tranquility SC	fluopyram + pyrimethanil	07, 09	1.2 L/ha	Minimum 500 L/ha	0	0.5	2-3 app, 4L/ha, see label	7-14 d	Pest Stage: Begin preventatively.	
	SuffOil-X 80 E	mineral oil	NC	13 L in 1000 L water	Maximum 1000 L/ha	0	0.5	8 app	7-14 d	Recommendations: Product provides suppression only.	
Redstriped fireworm	Altacor 35 WG	chlorantraniliprole	28	215-285 g/ha, see label	Minimum 200 L/ha	1	0.5	3 app, 645 g/ha	7 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Scale	Doktor Doom Formula 420 Professional Use 3-in-1 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Movento 240 SC	spirotetramat	23	220-585 mL/ha, see label	200-3000 L/ha	7	0.5	1.83 L/ha	7 d	Crop Stage: Post-bloom.Pollinators: Toxic to bee brood.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	SuffoCoat 96 EC	canola oil		2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
	Vegol Crop Oil 96 EC	canola oil	NC	2% v/v	700-1900 L/ha	0	-	6 app, see label	7-14 d	Recommendations: Do not apply when temperature is above 32°C or prior to or during freezing.	
Septoria leaf spot	Proline 480 SC	prothioconazole	3	315-400 mL/ha, see label	Minimum 100 L/ha	7	1-3, see label	2 app	10-14 d	Pest Stage: At first sign of disease.Coverage: Use a non-ionic surfactant (AgSurf or Agral 90) at 0.125% v/v.Recommendations: Product provides suppression only.	
	Proline Gold SC	fluopyram + prothioconazole	07, 03	750 mL/ha	Minimum 100 L/ha	7	1-3, see label	2 app	7-14 d	Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Soratel 250 EC	prothioconazole	3	600 mL/ha	Minimum 100 L/ha	7	1-3, see label	2 app, 1.6 L/ha	10-14 d	Pest Stage: At threshold.Recommendations: Product provides suppression only.	
Spanworms	Altacor 35 WG	chlorantraniliprole	28	215-285 g/ha, see label	Minimum 200 L/ha	1	0.5	3 app, 645 g/ha	7 d	Pest Stage: At threshold.Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Confirm 240 F	tebufenozide	18	1.0-1.2 L/ha, see label	Minimum 300 L/ha	14	0.5	4 app, 4.6 L/ha	7-14 d	Coverage: Thorough.	
	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Entrust 240 SC	spinosad	5	267-440 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
	Entrust 80 WG	spinosad	5	80-109 g/ha, see label	300-500 L/ha	3	0.5, when dry	3 app	7-10 d	Pollinators: Toxic to bees.	
	Intrepid 240 SC	methoxyfenozide	18	0.5 L/ha	Minimum 300 L/ha	7	0.5	2 L/ha	7-14 d	Pest Stage: At threshold.	
	Success 480 SC	spinosad	5	145-220 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
Spotted wing drosophila	Danitol 30.9 EC	fenpropathrin	3	779-1169 mL/ha, see label	Minimum 200 L/ha	15	1-17, see label	2 app	14 d	Crop Stage: Do not apply during bloom.Pollinators: Toxic to bees.	

Pest	Pesticide Products	Active Ingredient	Group	Rate	Water Volume	PHI (days)	REI (days)	Product Maximum	App Interval	Notes / Restrictions / Warnings	Status Update
	Delegate 25 WG	spinetoram	5	315-420 g/ha, see label	-	1	0.5	3 app	12 d	Pollinators: Toxic to bees.	
	Entrust 240 SC	spinosad	5	267-440 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees. Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
	Harvanta 50 SL	cyclaniliprole	28	1.2-1.6 L/ha, see label	200-1400 L/ha	1	0.5	3 app	5 d	Crop Stage: Avoid application during bloom. Pollinators: Toxic to bees. Recommendations: Efficacy varies depending on pest. See efficacy table and product label. Do not apply a group 28 insecticide more than 2 consecutive times within a 30 day period or within a single generation of insect pest.	
	Malathion 85 E	malathion	01B	610-2500 mL/ha, see label	1000 L/ha	1-2, see label	0.5-1, see label	3 app	4-7 d	Pollinators: Toxic to bees.	
	Ripcord 400 EC	cypermethrin	3	150-175 mL/ha, see label	-	2	0.5	2 app	7 d	Crop Stage: Do not apply during bloom. Pollinators: Toxic to bees.	
	Success 480 SC	spinosad	5	145-220 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
	Up-cyde 2.5 EC	cypermethrin	3	245-285 mL/ha, see label	-	2	0.5	2 app	7 d	Crop Stage: Do not apply during bloom. Pollinators: Toxic to bees.	
Strawberry rootworm	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
Tarnished plant bug	Closer 240 SC	sulfoxaflor	04C	100-400 mL/ha, see label	200-1000 L/ha	1	0.5	2-3 app, 800 mL/ha, see label	7 d	Pollinators: Toxic to bees. Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Thrips	Cormoran EC	acetamiprid and novaluron	04, 15	700-1400 mL/ha, see label	Minimum 200 L/ha	8	0.5	3 app	10-14 d	Pollinators: Toxic to bees.	
	Harvanta 50 SL	cyclaniliprole	28	1.2-1.6 L/ha, see label	200-1400 L/ha	1	0.5	3 app	5 d	Crop Stage: Avoid application during bloom. Pollinators: Toxic to bees. Recommendations: Efficacy varies depending on pest. See efficacy table and product label. Do not apply a group 28 insecticide more than 2 consecutive times within a 30 day period or within a single generation of insect pest.	
Weevils	Actara 25 WG	thiamethoxam	4	210-280 g/ha, see label	Minimum 100 L/ha	3	0.5	2 app	7 d	Crop Stage: Do not apply pre-bloom or during bloom. Pollinators: Toxic to bees.	
	Exirel 100 SC	cyantraniliprole	28	750-1500 mL/ha, see label	Minimum 200 L/ha	3	0.5	4 app, 4.5 L/ha	5 d	Coverage: Use an MSO surfactant at 0.5-1.0% v/v for certain pests. Pollinators: Toxic to bees. Recommendations: Efficacy varies depending on pest. See efficacy table and product label.	
Winter moth	Entrust 240 SC	spinosad	5	267-440 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
	Entrust 80 WG	spinosad	5	80-109 g/ha, see label	300-500 L/ha	3	0.5, when dry	3 app	7-10 d	Pollinators: Toxic to bees.	
	Success 480 SC	spinosad	5	145-220 mL/ha, see label	300-500 L/ha	1-3, see label	0.5, when dry	3 app	5-10 d	Pollinators: Toxic to bees.	
Young plant damping-off	Taegro 2 WP	Bacillus subtilis var. amyloliquefaciens Strain FZB24	44	187.5-375 g/ha, see label	Minimum 200-1000 L/ha, see label	0	0	-	7-14 d	Coverage: Foliar or drench application. Recommendations: Product provides suppression only.	