

PEAR GUIDE TO INSECT AND DISEASE MANAGEMENT

A guide to insect, mite, and disease management in
pear orchards in Nova Scotia



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 Pear Insect and Disease Guide 2026



Group	Active Ingredient	Pesticide	PCP #	PHI (days)	REI General (days)	REI Hand Thin (days)	Product Maximum	Restricted Reapplication (days)	Potentially Organic	Status Update
BACTERICIDE										
24	kasugamycin	Kasumin 2L	30591	90	0.5	-	4 apps, 20 L/ha/yr	-	No	
25	streptomycin sulfate	Streptomycin 17 WP	10305	30	1	14	3 apps	-	No	
BM	Aureobasidium pullulans	Blossom Protect WG	30552	0	0.2	-	5 apps	-	Yes	
BM02	Bacillus amyloliquefaciens strain D747	Double Nickel 55 WG	31888	0	-	-	-	3	Yes	
FUNGICIDE										
1	thiabendazole	Mertect 500 SC	13975	-	0.5	-	-	-	No	
1	thiophanate-methyl	Senator 50 SC	32096	7	0.5	-	2 apps	7	No	
3	mefentrifluconazole	Cevya 400 SC	33405	0	0.5	-	1.125 L/ha	7	No	
03, 07	difenoconazole + benzovindiflupyr	Aprovia Top EC	31526	30	0.5	-	4-6 apps, 2.57 L/ha	-	No	
03, 09	difenoconazole + cyprodinil	Inspire Super EC	30827	14	0.5	-	4 (of group 3 or group 9 containing fungicides)	-	No	
7	fluxapyroxad	Sercadis 300 SC	31697	0	0.5	-	4 apps	-	No	
7	penthiopyrad	Fontelis 200 SC	30331	28	0.5	-	3-4 apps, 4.5 L/ha	-	No	
07, 09	fluopyram + pyrimethanil	Luna Tranquility SC	30510	72	0.5	1	4 apps	-	No	
07, 11	boscalid + pyraclostrobin	Pristine WG	27985	5	0.5	12	4 apps	7	No	
07, 11	pyraclostrobin + fluxapyroxad	Merivon SC	33951	5	0.5	12	4 apps	7	No	
9	pyrimethanil	Scala 400 SC	28011	72	0.5	1	4 apps	7	No	
11	kresoxim-methyl	Sovran 50 WG	26257	30	2	-	2 apps, 480 g/ha/yr	10	No	
12	fludioxonil	Scholar 230 SC	29528	-	-	-	-	-	No	
52	ipflufenquin	Migiwa 20 SC	35443	7	0.5	-	3 apps, 660 mL/ha	7	No	
BM	pseudomonas syringae	Bio-Save 10 LP WP	29673	-	-	-	-	-	Yes	
BM02	QST 713 strain of dried Bacillus subtilis	Serenade OPTI WP	31666	0	0.2, when dry	-	-	-	Yes	
M02	copper octanoate	Cueva 1.8 SN	31825	1	0.2	-	10 apps	5	Yes	
M02	copper oxychloride	Copper Spray Fungicide 50 WP	19146	2	2	-	10 apps	5	Yes	
M04	captan	Captan 480 SC	34551	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	No	
M04	captan	Captan L 482 SC	35343	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	No	
M04	captan	Maestro 80 WSP	33488	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	No	
M04	captan	Sharda Captan 48 SC	32300	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	No	
M04	captan	Supra Captan 80 WSP	33641	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	No	
NC	garlic powder	Buran 15 SN	30601	0	when dry	-	-	-	Yes	
P05	Reynoutria sachalinensis	Regalia Maxx 20 SC	30199	0	when dry	-	-	7	Yes	
U12	dodine	Syllit 400 FL	28351	7	2	-	2 apps	7	No	
GROWTH REGULATOR AND THINNER										
-	6-benzyladenine	MaxCel 1.9 SN	28851	28	0.5	-	22.5 L/ha	-	No	
-	6-benzyladenine (aka 6-benzylaminopurine)	Cilis Plus 2.0 SN	29210	28	0.5	-	21.3 L/ha	-	No	
-	6-benzyladenine, gibberellins A4 & A7	Promalin 1.8 SL	16636	28	0.5	-	2 apps	-	No	
-	metamitron	Brevis 150 SC	35694	72	0.5	-	2 apps, 4.48 L/ha/year	5	No	
INSECTICIDE										
01B	phosmet	Imidan 70 WP	29064	22	0.5-9, see label	Prohibited	2 apps	14	No	
3	cypermethrin	Up-cyde 2.5 EC	28795	7	0.5	-	3 apps	7	No	
3	deltamethrin	Decis 100 EC	33700	7	0.5	-	3 apps	12	No	
3	deltamethrin	Poleci 2.5 EC	32446	7	0.5	-	3 apps	12	No	
3	fenpropathrin	Danitol 30.9 EC	33817	16	1-7, see label	23	1 app	-	No	
3	lambda-cyhalothrin	Labamba 120 EC	33576	7	0.5	-	1 app	-	No	
3	lambda-cyhalothrin	Matador 120 EC	24984	7	0.5	-	1 app	-	No	
3	lambda-cyhalothrin	Silencer 120 EC	29052	7	0.5	-	1 app	-	No	
3	permethrin	Ambush 500 EC	14882	7	0.5	-	1 app	7	No	

Group	Active Ingredient	Pesticide	PCP #	PHI (days)	REI General (days)	REI Hand Thin (days)	Product Maximum	Restricted Reapplication (days)	Potentially Organic	Status Update
3	permethrin	Pounce 384 EC	16688	7	0.5	-	2 apps	7	No	
4	acetamiprid	Aceta 70 WP	33298	7	0.5-2, see label	6	4 apps	12	No	
4	acetamiprid	Assail 70 WP	27128	7	0.5-2, see label	6	4 apps, 960 g/ha/yr	12	No	
5	spinetoram	Delegate 25 WG	28778	7	0.5	-	3 apps	7	No	
06, 28	cyantraniliprole + abamectin	Minecto Pro SC	33023	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	No	
11	Bacillus thuringiensis	XenTari 48 WG	31557	0	0.2	-	-	-	Yes	
11	bacillus thuringiensis	Bioprotec PLUS SC	32425	0	0.2	-	-	-	Yes	
11	Bacillus thuringiensis	Dipel 2X DF	26508	0	0.2	-	-	-	Yes	
23	spirotetramat	Envidor 240 SC	28051	7	0.5	-	1 app	-	No	
23	spirotetramat	Movento 240 SC	28953	7	0.5	-	1.8 L/ha	14	No	
28	chlorantraniliprole	Altacor MaX 70 WG	34654	5	0.5	-	3 apps, 324 g/ha/yr	10	No	
28	cyantraniliprole	Exirel 100 SC	30895	3	0.5	-	4 apps	7	No	
28	cyclaniliprole	Harvanta 50 SL	32889	7	0.5	-	3 apps, 4.8 L/ha/yr	14	No	
28	tetraniliprole	Vayego 200 SC	33711	7	0.5	-	3 apps	7	No	
32	GS-omega/kappa-Hctx-Hv1a	Spear-LEP 2 SN	34678	0	0.2	-	6 apps	-	Yes	
NC	kaolin clay	Surround 95 WP	27469	0	0.5	-	-	-	Yes	
NC	potassium salts of fatty acids	Opal 47 SN	28146	0	0.5	-	-	-	Yes	
MITICIDE AND NEMATICIDE										
6	abamectin	Agri-Mek 8.4 SC	31607	28	0.5	-	2 apps, 340 mL/ha/year	21	No	
7	fluopyram	Velum Prime 500 SC	32108	7	0.5	-	-	30	No	
21	pyridaben	Nexter 75 WP	25135	25	0.5	-	2 apps	30	No	
25	cyflumetofen	Nealta 200 SC	31284	7	0.5	-	2 apps	14	No	
20B	acequinocyl	Kanemite 15 SC	28641	14	0.5	-	4.1 L/ha	21	No	
21, 39	fenazaquin	Magister 205 SC	34544	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	No	
NC	petroleum oil	Superior 70 Oil EC	14981	0	0.5	-	-	-	Yes	
NC	mineral oil	Purespray Green 13 E	27666	0	0.5	-	2 dormant, 1 summer	-	Yes	
RODENTICIDE										
NC	chlorophacinone	Rozol Rat and Mouse Killer	11824	-	-	-	-	-	No	

Pear Bud Growth Stages



1. DORMANT



2. SWOLLEN BUD



3. BUD BURST



4. TIGHT CLUSTER



5. WHITE BUD



6. BLOOM



7. PETAL FALL-CALYX



8. FRUIT SET

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
00 DORMANT										
Pear psylla	NC	mineral oil	Purespray Green 13 E	20 L/1,000 L 60 L/ha	0	0.5	-	2 dormant, 1 summer	-	<p>Pest Stage: Start checking in early April when day time temperatures are near 10°C for the presence of psylla adults and egg laying activity.</p> <p>Crop Stage: Apply late dormant season when first adults are observed on a sunny day.</p> <p>Coverage: Good coverage is essential; use a minimum of 1000 L of water per hectare and 2,000-3,000 L of water will provide the best results.</p> <p>Crop Safety: Do not use within 14 days of captan products and refer to label for additional precautions.</p> <p>Recommendation: Oil application will also impact populations of European red mite and pear leaf blister mite. Check 10 to 14 days following treatment for signs of new egg laying and the need to apply a second treatment.</p>
	NC	petroleum oil	Superior 70 Oil EC	20 L/1,000 L water and 60 L/ha	0	0.5	-	-	-	<p>Pest Stage: Start checking in early April when day time temperatures are near 10°C for the presence of psylla adults and egg laying activity.</p> <p>Crop Stage: Apply late dormant season when first adults are observed on a sunny day.</p> <p>Coverage: Good coverage is essential; use a minimum of 1000 L of water per hectare and 2,000-3,000 L of water will provide the best results.</p> <p>Crop Safety: Do not use within 14 days of captan products and refer to label for additional precautions.</p> <p>Recommendation: Oil application will also impact populations of European red mite and pear leaf blister mite. Check 10 to 14 days following treatment for signs of new egg laying and the need to apply a second treatment.</p>
01 SCALE SEPARATION/GREEN TIP										
Nematodes	7	fluopyram	Velum Prime 500 SC	500 mL/ha	7	0.5	-	-	30	<p>Coverage: Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to trees previously trained to drip, trickle or micro-sprinkler irrigation.</p> <p>Recommendation: Young trees have the most potential benefit. Soil must be lightly pre-wetted prior to application.</p> <p>Crop Safety: Do not apply more than 500 g fluopyram/ha per year, noting that the foliar fungicide Luna Tranquility also contains fluopyram.</p>
Pear scab	1	thiophanate-methyl	Senator 50 SC	250 mL/1,000 L	7	0.5	-	2 apps	7	<p>Crop Safety: Do not mix with lime or other alkaline materials. Not compatible with oil applications. Do not use on d'Anjou pears.</p> <p>Recommendation: Mix with captan for resistance management.</p>
	3	mefentrifluconazole	Cevya 400 SC	0.25-0.375 L/ha	0	0.5	-	1.125 L/ha	7	
	03, 07	difenoconazole + benzovindiflupyr	Aprovia Top EC	386-643 mL/ha	30	0.5	-	4-6 apps, 2.57 L/ha	-	<p>Recommendation: Do not make more than two consecutive applications. Include a protectant fungicide from Group M3 or M4 for improved fruit scab control.</p>
	03, 09	difenoconazole + cyprodinil	Inspire Super EC	560-836 mL/ha	14	0.5	-	4 (of group 3 or group 9 containing fungicides)	-	<p>Recommendation: Do not make more than two consecutive applications before alternating to another fungicide with a different mode of action. Include a protectant fungicide from Group M3 or M4 if possible.</p>
	7	fluxapyroxad	Sercadis 300 SC	0.167-0.333 L/ha	0	0.5	-	4 apps	-	<p>Recommendation: Do not make more than two consecutive applications. Use a non-ionic surfactant.</p>
7	penthiopyrad	Fontelis 200 SC	1.0-1.5 L/ha	28	0.5	-	3-4 apps, 4.5 L/ha	-	<p>Recommendation: Do not make more than two consecutive applications.</p> <p>Crop Safety: Do not tank mix Fontelis with thinning agents.</p>	

Guide to Insect and Disease Management in Pear 2026



Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
07, 09		fluopyram + pyrimethanil	Luna Tranquility SC	800 mL/ha	72	0.5	1	4 apps	-	Recommendation: Do not make more than two consecutive applications. Please note the long preharvest interval.
07, 11		boscalid + pyraclostrobin	Pristine WG	1.0-1.2 kg/ha	5	0.5	12	4 apps	7	
07, 11		pyraclostrobin + fluxapyroxad	Merivon SC	0.3-0.4 L product/ha	5	0.5	12	4 apps	7	Crop Safety: Do not tank mix with products formulated as emulsifiable concentrates (EC) or containing high amounts of solvents. DO NOT use with horticultural mineral oil as crop response to foliage and/or fruit can occur under certain conditions.
9		pyrimethanil	Scala 400 SC	0.75-1.0 L/ha	72	0.5	1	4 apps	7	Crop Stage: Do not apply post bloom. Crop Safety: Note the long preharvest interval for pears versus apples.
11		kresoxim-methyl	Sovran 50 WG	240-360 g/ha see label	30	2	-	2 apps, 480 g/ha/yr	10	Crop Safety: Spray drift can be phototoxic to some sweet cherry cultivars.
52		ipflufenquin	Migiwa 20 SC	220 mL/ha	7	0.5	-	3 apps, 660 mL/ha	7	Recommendation: Do not use the low rate for scab listed on the label as it is a sub-lethal dose for powdery mildew and may contribute to resistance development. Do not make more than two sequential applications as it is critical to preserve the efficacy of this new chemical group.
BM02		QST 713 strain of dried Bacillus subtilis	Serenade OPTI WP	1.7-3.3 kg/ha	0	0.2, when dry	-	-	-	Pest Stage: Apply preventatively for suppression of scab. Recommendation: Local efficacy data is unavailable. Consult local advisors. Nova Scotia recommends use ONLY in organic production situations for management of fire blight blossom blight where no antibiotic options are available.
M02		copper octanoate	Cueva 1.8 SN	0.5-2.0% solution	1	0.2	-	10 apps	5	Crop Safety: Do not exceed 1.0% solution on russet-sensitive varieties.
M04		captan	Captan 480 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
M04		captan	Captan L 482 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not tank-mix with surfactants.
M04		captan	Maestro 80 WSP	3.0 kg/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
M04		captan	Sharda Captan 48 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
M04		captan	Supra Captan 80 WSP	3.0 kg/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
NC		garlic powder	Buran 15 SN	1.8% (9 L in 500 L of water)	0	when dry	-	-	-	Pest Stage: For pear scab, this product does not have protectant activity. It should be used only as a post-infection treatment, applied after rainfall when infections are occurring. For fire blight suppression, Nova Scotia recommends use ONLY in organic production situations and for more information contact local crop advisors. Recommendation: Do not apply to wet leaves or if rain is expected to fall within 48 hours. Apply with a non-ionic surfactant such as Agral 90 at a rate of 0.1%.

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	U12	dodine	Syllit 400 FL	5.28 L/ha	7	2	-	2 apps	7	Crop Safety: Do not apply near freezing or near-freezing temperatures, particularly when accompanied by slow drying conditions as it may injure or predispose the fruit to chemical injury.
02 BLOSSOM BUD EXPOSED TO TIGHT CLUSTER										
Pear scab	Refer to section 02 HALF-INCH GREEN & TIGHT CLUSTER									
03 WHITE BUD										
Pear scab	Refer to section 02 HALF-INCH GREEN & TIGHT CLUSTER									
Winter moth and green fruitworm	01B	phosmet	Imidan 70 WP	2.68 kg/ha	22	0.5-9, see label	Prohibited	2 apps	14	IMPORTANT: All hand thinning activities must be completed prior to application. Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Target 3% egg hatch based on 140 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
	3	fenpropathrin	Danitol 30.9 EC	779-1559 mL/ha	16	1-7, see label	23	1 app	-	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment. Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Toxic to bees. Do not apply during bloom.
	11	Bacillus thuringiensis	Bioprotec PLUS SC	1.8-2.5 L/ha	0	0.2	-	-	-	Pest Stage: Product must be consumed by the target insect to be effective. Apply to young larvae, early in infestation. Coverage: Apply in a high-volume spray. Recommendation: Best results are obtained when applied in the evening or on cloudy days. Two applications 5-7 days apart may be required.
	11	Bacillus thuringiensis	Dipel 2X DF	1125-1675 g/ha	0	0.2	-	-	-	Best results are obtained when applied in the evening or on cloudy days. Two applications 5-7 days apart may be required to obtain control.
	28	chlorantraniliprole	Altacor MaX 70 WG	73-143 g/ha	5	0.5	-	3 apps, 324 g/ha/yr	10	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (80-100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
04 BLOOM										
Fire blight	24	kasugamycin	Kasumin 2L	5 L/1,000 L	90	0.5	-	4 apps, 20 L/ha/yr	-	Pest Stage: Apply during bloom prior to a wetting period when there is a high risk of blossom blight infection as determined by PomeBlight. Re-application may be needed if warm, wet conditions (>20°C) prevail in days following application. Coverage: Do not apply after petal fall or with more than 1,000 L/ha of water. Include a surfactant such as Agral 90 at 500 mL per 1000 L (0.05% v/v) of water. Crop Safety: Limit tank mixes. If it is necessary to include mancozeb with your antibiotic, reduce your rate of surfactant by at least half to avoid strep burn.
	25	streptomycin sulfate	Streptomycin 17 WP	600 g/1,000 L	30	1	14	3 apps	-	Pest Stage: Apply during bloom prior to a wetting period when there is a high risk of blossom blight infection as determined by PomeBlight. Re-application may be needed if warm, wet conditions (>20°C) prevail in days following application. Recommendation: When entering treated areas within 7 days of application to perform activities that involve contact with treated plants, soil or water, the listed personal protective equipment must be worn. Coverage: Do not apply with more than 1,000 L/ha of water. Include a surfactant such as Agral 90 at 500 mL per 1000 L (0.05% v/v) of water. Crop Safety: Limit tank mixes.

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	BM	Aureobasidium pullulans	Blossom Protect WG	1 package/1,000 L water	0	0.2	-	5 apps	-	Pest Stage: For fire blight suppression, Nova Scotia recommends use ONLY in organic production situations and for more information contact local crop advisors.
	BM02	Bacillus amyloliquefaciens strain D747	Double Nickel 55 WG	1-1.5 kg/ha	0	-	-	-	3	Crop Stage: From blossom to end of flowering. Pest Stage: For fire blight suppression, Nova Scotia recommends use ONLY in organic production situations and for more information contact local crop advisors.
	BM02	QST 713 strain of dried Bacillus subtilis	Serenade OPTI WP	1.7-3.3 kg/ha	0	0.2, when dry	-	-	-	Pest Stage: Apply preventatively for suppression of scab. Recommendation: Local efficacy data is unavailable. Consult local advisors. Nova Scotia recommends use ONLY in organic production situations for management of fire blight blossom blight where no antibiotic options are available.
	M02	copper oxychloride	Copper Spray Fungicide 50 WP	2.2 kg/ha	2	2	-	10 apps	5	Crop Stage: Apply before bloom to reduce the risk of fire blight infections (blossom blight management still required). Crop Safety: Compatible with oil. Do not apply on Anjou. Coverage: Thorough coverage of limbs and trunk is essential for good control.
Increase fruit set	-	6-benzyladenine, gibberellins A4 & A7	Promalin 1.8 SL	250 mL/ha in 500-1500 L water	28	0.5	-	2 apps	-	Crop Stage: Make the first application at 10-30% open flowers and the second between full bloom and petal fall.
Pear scab	Refer to section 02 HALF-INCH GREEN & TIGHT CLUSTER									
05 PETAL FALL/CALYX										
Fruitlet thinning	-	6-benzyladenine	MaxCel 1.9 SN	50-200 ppm	28	0.5	-	22.5 L/ha	-	Crop Stage: Fruitlet thinning is done when the average king fruitlet diameter measures between 5-10 mm up to 20 mm. Recommendation: Applications will be most effective when the maximum temperature on the day of application and for the following 2-3 days is 18°C or higher. Avoid applying when ambient temperatures exceed 30°C.
	-	6-benzyladenine (aka 6-benzylaminopurine)	Cilis Plus 2.0 SN	0.475-9.54 L in 1000 L water	28	0.5	-	21.3 L/ha	-	Crop Stage: Fruitlet thinning is done when the average king fruitlet diameter measures between 5-10 mm up to 20 mm. Recommendation: Applications will be most effective when the maximum temperature on the day of application and for the following 2-3 days is 18°C or higher. Avoid applying when ambient temperatures exceed 30°C.
	-	metamitron	Brevis 150 SC	1.12-2.24 L/ha	72	0.5	-	2 apps, 4.48 L/ha/year	5	Crop Stage: Late petal fall until 16-18 mm. Crop Safety: Avoid applying to trees less than 4 years old. Do not add any adjuvants that increase droplet spreading or penetration. Do not spray on wet leaves. Apply when air temperatures are between 10°C and 29°C and delay application if temperature will exceed 29°C within five days of application. Avoid drift to plum and cherry trees. Recommendation: Use a carbon balance model like BreviSmart to adjust rates up or down based on weather conditions. Direct more product on upper canopies.
Mites	6	abamectin	Agri-Mek 8.4 SC	170-340 mL/ha	28	0.5	-	2 apps, 340 mL/ha/year	21	Crop Safety: May cause injury to d'Anjou and other sensitive varieties. Do not use within 14 days of a Captan or Maestro application. Do not allow livestock to graze in treated orchards. Coverage: Apply with 10 to 20 L of Superior Oil. Apply with a minimum of 1,000 L of water per hectare. Best efficacy close to petal fall. Pollinators: Do not apply during the crop blooming period.

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Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	<p>Crop Stage: Apply within 6 weeks of petal fall.</p> <p>Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached.</p> <p>Pollinators: Do not apply during crop blooming period.</p> <p>Coverage: Tank mix with 0.25-1% spray oil.</p> <p>Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.</p>
	20B	acequinocyl	Kanemite 15 SC	2.1 L/ha	14	0.5	-	4.1 L/ha	21	<p>Pest Stage: Effective on all life stages of European red and two-spotted mites. Will not control pear rust mite.</p> <p>Coverage: Apply with a minimum of 1000 L of water/ha.</p>
	21	pyridaben	Nexter 75 WP	600-720 g/ha	25	0.5	-	2 apps	30	<p>Pest Stage: For mites, apply lower rate for European red mite and pear rust mite and higher rate for two-spotted spider mite and pear psylla. Effective on immature stages but not mite eggs.</p>
	21, 39	fenazaquin	Magister 205 SC	1.75-2.63 L/ha	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	<p>Pest Stage: Rapid motile knockdown and reduces egg hatch for next generation. Active at high and low temperatures.</p> <p>Pollinators: Do not apply during the crop blooming period.</p>
	23	spirodiclofen	Envidor 240 SC	750 mL/ha see label	7	0.5	-	1 app	-	<p>Pest Stage: Effective on eggs, all nymphal stages and adult females. Will control pear rust mite.</p> <p>Coverage: Apply with a minimum of 1,000 L of water/ha.</p>
	25	cyflumetofen	Nealta 200 SC	1 L/ha	7	0.5	-	2 apps	14	<p>Recommendation: Do not apply if rain is expected within 1 hour.</p>
	NC	mineral oil	Purespray Green 13 E	20 L/1,000 L 60 L/ha	0	0.5	-	2 dormant, 1 summer	-	<p>Pest Stage: Start checking in early April when day time temperatures are near 10°C for the presence of psylla adults and egg laying activity.</p> <p>Crop Stage: Apply late dormant season when first adults are observed on a sunny day.</p> <p>Coverage: Good coverage is essential; use a minimum of 1000 L of water per hectare and 2,000-3,000 L of water will provide the best results.</p> <p>Crop Safety: Do not use within 14 days of captan products and refer to label for additional precautions.</p> <p>Recommendation: Oil application will also impact populations of European red mite and pear leaf blister mite. Check 10 to 14 days following treatment for signs of new egg laying and the need to apply a second treatment.</p>
Pear psylla	3	cypermethrin	Up-cyde 2.5 EC	280 mL/ha, 400 mL/ha post bloom	7	0.5	-	3 apps	7	<p>Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cyde is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions.</p> <p>Pollinators: Do not apply when bloom is present.</p>
	3	deltamethrin	Decis 100 EC	175 mL/ha	7	0.5	-	3 apps	12	<p>Pest Stage: Apply when the nymphs and adults first appear.</p> <p>Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cyde is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions.</p> <p>Pollinators: Do not apply when bloom is present.</p>

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Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	3	deltamethrin	Poleci 2.5 EC	700 mL/ha (236 mL/1000 L of water)	7	0.5	-	3 apps	12	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Labamba 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Matador 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Silencer 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	permethrin	Ambush 500 EC	400 mL/ha	7	0.5	-	1 app	7	Pest Stage: At threshold. Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cycle is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are ineffective. Pollinators: Do not apply during the crop blooming period.
	3	permethrin	Pounce 384 EC	175 mL/1000 L of water or 520 mL/ha	7	0.5	-	2 apps	7	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	4	acetamiprid	Aceta 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps	12	Pollinators: Do not apply when bloom or flowering weeds are present. Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
	4	acetamiprid	Assail 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps, 960 g/ha/yr	12	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment. Pollinators: Do not apply when bloom or flowering weeds are present.
	6	abamectin	Agri-Mek 8.4 SC	170-340 mL/ha	28	0.5	-	2 apps, 340 mL/ha/year	21	Crop Safety: May cause injury to d'Anjou and other sensitive varieties. Do not use within 14 days of a Captan or Maestro application. Do not allow livestock to graze in treated orchards. Coverage: Apply with 10 to 20 L of Superior Oil. Apply with a minimum of 1,000 L of water per hectare. Best efficacy close to petal fall. Pollinators: Do not apply during the crop blooming period.

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Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	<p>Crop Stage: Apply within 6 weeks of petal fall.</p> <p>Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached.</p> <p>Pollinators: Do not apply during crop blooming period.</p> <p>Coverage: Tank mix with 0.25-1% spray oil.</p> <p>Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.</p>
	21	pyridaben	Nexter 75 WP	600-720 g/ha	25	0.5	-	2 apps	30	<p>Pest Stage: For mites, apply lower rate for European red mite and pear rust mite and higher rate for two-spotted spider mite and pear psylla. Effective on immature stages but not mite eggs.</p>
	21, 39	fenazaquin	Magister 205 SC	1.75-2.63 L/ha	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	<p>Pest Stage: Rapid motile knockdown and reduces egg hatch for next generation. Active at high and low temperatures.</p> <p>Pollinators: Do not apply during the crop blooming period.</p>
	23	spirotetramat	Movento 240 SC	365-435 mL/ha	7	0.5	-	1.8 L/ha	14	<p>Crop Safety: DO NOT use when fruit is present due to the possibility of adverse effects on the harvested commodity. Uses right at/after petal fall offer less risk of fruit injury. Also, the adjuvant may be avoided to reduce the risk.</p> <p>Coverage: Best tank mixed with an adjuvant.</p> <p>Pollinators: Do not apply when bloom or flowering weeds are present.</p>
	NC	kaolin clay	Surround 95 WP	50 kg product/ha	0	0.5	-	-	-	<p>Coverage: Efficacy depends on complete coverage of leaves and fruit.</p> <p>Crop Safety: Surround keeps plant surfaces cool and may cause maturity delays of 3 to 7 days, especially in cool regions.</p>
	NC	potassium salts of fatty acids	Opal 47 SN	1% (1 L/100 L water)	0	0.5	-	-	-	<p>Crop Safety: Use with care on pears after delayed dormant stage due to potential for fruit marking. Combining this product with sulphur or applying this product within 3 days of sulphur application may increase the plant damage caused by sulphur on sensitive plants. Apply to a maximum of three consecutive applications to ensure plant injury does not occur.</p>
Pear scab	1	thiophanate-methyl	Senator 50 SC	250 mL/1,000 L	7	0.5	-	2 apps	7	<p>Crop Safety: Do not mix with lime or other alkaline materials. Not compatible with oil applications. Do not use on d'Anjou pears.</p> <p>Recommendation: Mix with captan for resistance management.</p>
	03, 07	difenoconazole + benzoindiflupyr	Aprovia Top EC	386-643 mL/ha	30	0.5	-	4-6 apps, 2.57 L/ha	-	<p>Recommendation: Do not make more than two consecutive applications. Include a protectant fungicide from Group M3 or M4 for improved fruit scab control.</p>
	03, 09	difenoconazole + cyprodinil	Inspire Super EC	560-836 mL/ha	14	0.5	-	4 (of group 3 or group 9 containing fungicides)	-	<p>Recommendation: Do not make more than two consecutive applications before alternating to another fungicide with a different mode of action. Include a protectant fungicide from Group M3 or M4 if possible.</p>
	7	fluxapyroxad	Sercadis 300 SC	0.167-0.333 L/ha	0	0.5	-	4 apps	-	<p>Recommendation: Do not make more than two consecutive applications. Use a non-ionic surfactant.</p>
	7	penthiopyrad	Fontelis 200 SC	1.0-1.5 L/ha	28	0.5	-	3-4 apps, 4.5 L/ha	-	<p>Recommendation: Do not make more than two consecutive applications.</p> <p>Crop Safety: Do not tank mix Fontelis with thinning agents.</p>
	07, 09	fluopyram + pyrimethanil	Luna Tranquility SC	800 mL/ha	72	0.5	1	4 apps	-	<p>Recommendation: Do not make more than two consecutive applications. Please note the long preharvest interval.</p>

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Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	07, 11	boscalid + pyraclostrobin	Pristine WG	1.0-1.2 kg/ha	5	0.5	12	4 apps	7	
	07, 11	pyraclostrobin + fluxapyroxad	Merivon SC	0.3-0.4 L product/ha	5	0.5	12	4 apps	7	Crop Safety: Do not tank mix with products formulated as emulsifiable concentrates (EC) or containing high amounts of solvents. DO NOT use with horticultural mineral oil as crop response to foliage and/or fruit can occur under certain conditions.
	11	kresoxim-methyl	Sovran 50 WG	240-360 g/ha see label	30	2	-	2 apps, 480 g/ha/yr	10	Crop Safety: Spray drift can be phototoxic to some sweet cherry cultivars.
	52	ipflufenquin	Migiwa 20 SC	220 mL/ha	7	0.5	-	3 apps, 660 mL/ha	7	Recommendation: Do not use the low rate for scab listed on the label as it is a sub-lethal dose for powdery mildew and may contribute to resistance development. Do not make more than two sequential applications as it is critical to preserve the efficacy of this new chemical group.
	M02	copper octanoate	Cueva 1.8 SN	0.5-2.0% solution	1	0.2	-	10 apps	5	Crop Safety: Do not exceed 1.0% solution on russet-sensitive varieties.
	M04	captan	Captan 480 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
	M04	captan	Captan L 482 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not tank-mix with surfactants.
	M04	captan	Maestro 80 WSP	3.0 kg/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
	M04	captan	Sharda Captan 48 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
	M04	captan	Supra Captan 80 WSP	3.0 kg/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.
	NC	garlic powder	Buran 15 SN	1.8% (9 L in 500 L of water)	0	when dry	-	-	-	Pest Stage: For pear scab, this product does not have protectant activity. It should be used only as a post-infection treatment, applied after rainfall when infections are occurring. For fire blight suppression, Nova Scotia recommends use ONLY in organic production situations and for more information contact local crop advisors. Recommendation: Do not apply to wet leaves or if rain is expected to fall within 48 hours. Apply with a non-ionic surfactant such as Agral 90 at a rate of 0.1%.
	U12	dodine	Syllit 400 FL	5.28 L/ha	7	2	-	2 apps	7	Crop Safety: Do not apply near freezing or near-freezing temperatures, particularly when accompanied by slow drying conditions as it may injure or predispose the fruit to chemical injury.
Plum curculio	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	Crop Stage: Apply within 6 weeks of petal fall. Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached. Pollinators: Do not apply during crop blooming period. Coverage: Tank mix with 0.25-1% spray oil. Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.

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Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	28	cyantraniliprole	Exirel 100 SC	0.5-1.5 L/ha see label	3	0.5	-	4 apps	7	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 80-110 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
	28	cyclaniliprole	Harvanta 50 SL	1.2-1.6 L/ha	7	0.5	-	3 apps, 4.8 L/ha/yr	14	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 80-100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment. Recommendation: Avoid applying twice consecutively in a 30 day period, or within a single pest generation. Treatments may also control apple curculio.
Winter moth and green fruitworm	01B	phosmet	Imidan 70 WP	2.68 kg/ha	22	0.5-9, see label	Prohibited	2 apps	14	IMPORTANT: All hand thinning activities must be completed prior to application. Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Target 3% egg hatch based on 140 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
	3	fenpropathrin	Danitol 30.9 EC	779-1559 mL/ha	16	1-7, see label	23	1 app	-	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment. Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Toxic to bees. Do not apply during bloom.
	11	bacillus thuringiensis	Bioprotec PLUS SC	1.8-2.5 L/ha	0	0.2	-	-	-	Pest Stage: Product must be consumed by the target insect to be effective. Apply to young larvae, early in infestation. Coverage: Apply in a high-volume spray. Recommendation: Best results are obtained when applied in the evening or on cloudy days. Two applications 5-7 days apart may be required.
	11	Bacillus thuringiensis	Dipel 2X DF	1125-1675 g/ha	0	0.2	-	-	-	Best results are obtained when applied in the evening or on cloudy days. Two applications 5-7 days apart may be required to obtain control.
	28	chlorantraniliprole	Altacor MaX 70 WG	73-143 g/ha	5	0.5	-	3 apps, 324 g/ha/yr	10	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (80-100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
06 FIRST COVER										
Fruitlet thinning	-	6-benzyladenine	MaxCel 1.9 SN	50-200 ppm	28	0.5	-	22.5 L/ha	-	Crop Stage: Fruitlet thinning is done when the average king fruitlet diameter measures between 5-10 mm up to 20 mm. Recommendation: Applications will be most effective when the maximum temperature on the day of application and for the following 2-3 days is 18°C or higher. Avoid applying when ambient temperatures exceed 30°C.
	-	6-benzyladenine (aka 6-benzylaminopurine)	Cilis Plus 2.0 SN	0.475-9.54 L in 1000 L water	28	0.5	-	21.3 L/ha	-	Crop Stage: Fruitlet thinning is done when the average king fruitlet diameter measures between 5-10 mm up to 20 mm. Recommendation: Applications will be most effective when the maximum temperature on the day of application and for the following 2-3 days is 18°C or higher. Avoid applying when ambient temperatures exceed 30°C.

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	-	metamitron	Brevis 150 SC	1.12-2.24 L/ha	72	0.5	-	2 apps, 4.48 L/ha/year	5	<p>Crop Stage: Late petal fall until 16-18 mm.</p> <p>Crop Safety: Avoid applying to trees less than 4 years old. Do not add any adjuvants that increase droplet spreading or penetration. Do not spray on wet leaves. Apply when air temperatures are between 10°C and 29°C and delay application if temperature will exceed 29°C within five days of application. Avoid drift to plum and cherry trees.</p> <p>Recommendation: Use a carbon balance model like BreviSmart to adjust rates up or down based on weather conditions. Direct more product on upper canopies.</p>
Mites	6	abamectin	Agri-Mek 8.4 SC	170-340 mL/ha	28	0.5	-	2 apps, 340 mL/ha/year	21	<p>Crop Safety: May cause injury to d'Anjou and other sensitive varieties. Do not use within 14 days of a Captan or Maestro application. Do not allow livestock to graze in treated orchards.</p> <p>Coverage: Apply with 10 to 20 L of Superior Oil. Apply with a minimum of 1,000 L of water per hectare. Best efficacy close to petal fall.</p> <p>Pollinators: Do not apply during the crop blooming period.</p>
	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	<p>Crop Stage: Apply within 6 weeks of petal fall.</p> <p>Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached.</p> <p>Pollinators: Do not apply during crop blooming period.</p> <p>Coverage: Tank mix with 0.25-1% spray oil.</p> <p>Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.</p>
	20B	acequinocyl	Kanemite 15 SC	2.1 L/ha	14	0.5	-	4.1 L/ha	21	<p>Pest Stage: Effective on all life stages of European red and two-spotted mites. Will not control pear rust mite.</p> <p>Coverage: Apply with a minimum of 1000 L of water/ha.</p>
	21	pyridaben	Nexter 75 WP	600-720 g/ha	25	0.5	-	2 apps	30	<p>Pest Stage: For mites, apply lower rate for European red mite and pear rust mite and higher rate for two-spotted spider mite and pear psylla. Effective on immature stages but not mite eggs.</p>
	21, 39	fenazaquin	Magister 205 SC	1.75-2.63 L/ha	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	<p>Pest Stage: Rapid motile knockdown and reduces egg hatch for next generation. Active at high and low temperatures.</p> <p>Pollinators: Do not apply during the crop blooming period.</p>
	23	spirodiclofen	Envidor 240 SC	750 mL/ha see label	7	0.5	-	1 app	-	<p>Pest Stage: Effective on eggs, all nymphal stages and adult females. Will control pear rust mite.</p> <p>Coverage: Apply with a minimum of 1,000 L of water/ha.</p>
	25	cyflumetofen	Nealta 200 SC	1 L/ha	7	0.5	-	2 apps	14	<p>Recommendation: Do not apply if rain is expected within 1 hour.</p>
	NC	mineral oil	Purespray Green 13 E	20 L/1,000 L 60 L/ha	0	0.5	-	2 dormant, 1 summer	-	<p>Pest Stage: Start checking in early April when day time temperatures are near 10°C for the presence of psylla adults and egg laying activity.</p> <p>Crop Stage: Apply late dormant season when first adults are observed on a sunny day.</p> <p>Coverage: Good coverage is essential; use a minimum of 1000 L of water per hectare and 2,000-3,000 L of water will provide the best results.</p> <p>Crop Safety: Do not use within 14 days of captan products and refer to label for additional precautions.</p> <p>Recommendation: Oil application will also impact populations of European red mite and pear leaf blister mite. Check 10 to 14 days following treatment for signs of new egg laying and the need to apply a second treatment.</p>

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Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
Pear psylla	3	cypermethrin	Up-cycle 2.5 EC	280 mL/ha, 400 mL/ha post bloom	7	0.5	-	3 apps	7	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cycle is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	deltamethrin	Decis 100 EC	175 mL/ha	7	0.5	-	3 apps	12	Pest Stage: Apply when the nymphs and adults first appear. Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cycle is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	deltamethrin	Poleci 2.5 EC	700 mL/ha (236 mL/1000 L of water)	7	0.5	-	3 apps	12	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Labamba 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Matador 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Silencer 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	permethrin	Ambush 500 EC	400 mL/ha	7	0.5	-	1 app	7	Pest Stage: At threshold. Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cycle is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are ineffective. Pollinators: Do not apply during the crop blooming period.
	3	permethrin	Pounce 384 EC	175 mL/1000 L of water or 520 mL/ha	7	0.5	-	2 apps	7	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	4	acetamiprid	Aceta 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps	12	Pollinators: Do not apply when bloom or flowering weeds are present. Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
	4	acetamiprid	Assail 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps, 960 g/ha/yr	12	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment. Pollinators: Do not apply when bloom or flowering weeds are present.
	6	abamectin	Agri-Mek 8.4 SC	170-340 mL/ha	28	0.5	-	2 apps, 340 mL/ha/year	21	Crop Safety: May cause injury to d'Anjou and other sensitive varieties. Do not use within 14 days of a Captan or Maestro application. Do not allow livestock to graze in treated orchards. Coverage: Apply with 10 to 20 L of Superior Oil. Apply with a minimum of 1,000 L of water per hectare. Best efficacy close to petal fall. Pollinators: Do not apply during the crop blooming period.
	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	Crop Stage: Apply within 6 weeks of petal fall. Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached. Pollinators: Do not apply during crop blooming period. Coverage: Tank mix with 0.25-1% spray oil. Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.
	21	pyridaben	Nexter 75 WP	600-720 g/ha	25	0.5	-	2 apps	30	Pest Stage: For mites, apply lower rate for European red mite and pear rust mite and higher rate for two-spotted spider mite and pear psylla. Effective on immature stages but not mite eggs.
	21, 39	fenazaquin	Magister 205 SC	1.75-2.63 L/ha	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	Pest Stage: Rapid motile knockdown and reduces egg hatch for next generation. Active at high and low temperatures. Pollinators: Do not apply during the crop blooming period.
	23	spirotetramat	Movento 240 SC	365-435 mL/ha	7	0.5	-	1.8 L/ha	14	Crop Safety: DO NOT use when fruit is present due to the possibility of adverse effects on the harvested commodity. Uses right at/after petal fall offer less risk of fruit injury. Also, the adjuvant may be avoided to reduce the risk. Coverage: Best tank mixed with an adjuvant. Pollinators: Do not apply when bloom or flowering weeds are present.
	NC	kaolin clay	Surround 95 WP	50 kg product/ha	0	0.5	-	-	-	Coverage: Efficacy depends on complete coverage of leaves and fruit. Crop Safety: Surround keeps plant surfaces cool and may cause maturity delays of 3 to 7 days, especially in cool regions.
Pear scab	Refer to section 05 PETAL FALL/CALYX									
07 COVER SPRAYS										
Codling moth	01B	phosmet	Imidan 70 WP	2.68 kg/ha	22	0.5-9, see label	Prohibited	2 apps	14	IMPORTANT: All hand thinning activities must be completed prior to application. Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Target 3% egg hatch based on 140 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	3	fenpropathrin	Danitol 30.9 EC	779-1559 mL/ha	16	1-7, see label	23	1 app	-	<p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p> <p>Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions.</p> <p>Pollinators: Toxic to bees. Do not apply during bloom.</p>
	4	acetamiprid	Aceta 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps	12	<p>Pollinators: Do not apply when bloom or flowering weeds are present.</p> <p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p>
	4	acetamiprid	Assail 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps, 960 g/ha/yr	12	<p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p> <p>Pollinators: Do not apply when bloom or flowering weeds are present.</p>
	5	spinetoram	Delegate 25 WG	420 g/ha	7	0.5	-	3 apps	7	<p>Codling moth: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Monitor trap captures and degree day model timing provided in Orchard Outlook. Generally, a second treatment is only needed after 10 or more moths have been trapped following the first treatment. If a second application is needed, repeat 10-14 days after the initial application.</p>
	11	Bacillus thuringiensis	XenTari 48 WG	500-1600 g/ha	0	0.2	-	-	-	<p>Pest Stage: Product must be consumed to be effective. Spray when and where pests are actively feeding. Apply to young larvae, early in infestation. Death of insect may take several days. Apply on cloudy days or in the evening.</p>
	28	chlorantraniliprole	Altacor MaX 70 WG	73-143 g/ha	5	0.5	-	3 apps, 324 g/ha/yr	10	<p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (80-100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p>
	28	cyantraniliprole	Exirel 100 SC	0.5-1.5 L/ha see label	3	0.5	-	4 apps	7	<p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 80-110 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p>
	28	cyclaniliprole	Harvanta 50 SL	1.2-1.6 L/ha	7	0.5	-	3 apps, 4.8 L/ha/yr	14	<p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 80-100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p> <p>Recommendation: Avoid applying twice consecutively in a 30 day period, or within a single pest generation. Treatments may also control apple curculio.</p>
	28	tetraniliprole	Vayego 200 SC	225 mL/ha	7	0.5	-	3 apps	7	<p>Crop Stage: Apply only post-bloom for all labelled insect pests.</p> <p>Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 80-110 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.</p>
	32	GS-omega/kappa-Hxtx-HV1a	Spear-LEP 2 SN	1.2-2.3 L/ha	0	0.2	-	6 apps	-	<p>Coverage: Apply in a minimum spray volume of 470 L/ha.</p> <p>Recommendation: To be used in a tank mix with a low rate of Bt product for control of lepidopteran pests registered on the crop.</p>

Guide to Insect and Disease Management in Pear 2026



Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
Mites	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	<p>Crop Stage: Apply within 6 weeks of petal fall.</p> <p>Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached.</p> <p>Pollinators: Do not apply during crop blooming period.</p> <p>Coverage: Tank mix with 0.25-1% spray oil.</p> <p>Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.</p>
	20B	acequinocyl	Kanemite 15 SC	2.1 L/ha	14	0.5	-	4.1 L/ha	21	<p>Pest Stage: Effective on all life stages of European red and two-spotted mites. Will not control pear rust mite.</p> <p>Coverage: Apply with a minimum of 1000 L of water/ha.</p>
	21	pyridaben	Nexter 75 WP	600-720 g/ha	25	0.5	-	2 apps	30	<p>Pest Stage: For mites, apply lower rate for European red mite and pear rust mite and higher rate for two-spotted spider mite and pear psylla. Effective on immature stages but not mite eggs.</p>
	21, 39	fenazaquin	Magister 205 SC	1.75-2.63 L/ha	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	<p>Pest Stage: Rapid motile knockdown and reduces egg hatch for next generation. Active at high and low temperatures.</p> <p>Pollinators: Do not apply during the crop blooming period.</p>
	23	spirodiclofen	Envidor 240 SC	750 mL/ha see label	7	0.5	-	1 app	-	<p>Pest Stage: Effective on eggs, all nymphal stages and adult females. Will control pear rust mite.</p> <p>Coverage: Apply with a minimum of 1,000 L of water/ha.</p>
	25	cyflumetofen	Nealta 200 SC	1 L/ha	7	0.5	-	2 apps	14	<p>Recommendation: Do not apply if rain is expected within 1 hour.</p>
NC	mineral oil	Purespray Green 13 E	20 L/1,000 L 60 L/ha	0	0.5	-	2 dormant, 1 summer	-	<p>Pest Stage: Start checking in early April when day time temperatures are near 10°C for the presence of psylla adults and egg laying activity.</p> <p>Crop Stage: Apply late dormant season when first adults are observed on a sunny day.</p> <p>Coverage: Good coverage is essential; use a minimum of 1000 L of water per hectare and 2,000-3,000 L of water will provide the best results.</p> <p>Crop Safety: Do not use within 14 days of captan products and refer to label for additional precautions.</p> <p>Recommendation: Oil application will also impact populations of European red mite and pear leaf blister mite. Check 10 to 14 days following treatment for signs of new egg laying and the need to apply a second treatment.</p>	
Pear psylla	3	cypermethrin	Up-cyde 2.5 EC	280 mL/ha, 400 mL/ha post bloom	7	0.5	-	3 apps	7	<p>Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cyde is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions.</p> <p>Pollinators: Do not apply when bloom is present.</p>
	3	deltamethrin	Decis 100 EC	175 mL/ha	7	0.5	-	3 apps	12	<p>Pest Stage: Apply when the nymphs and adults first appear.</p> <p>Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cyde is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions.</p> <p>Pollinators: Do not apply when bloom is present.</p>

Guide to Insect and Disease Management in Pear 2026



Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	3	deltamethrin	Poleci 2.5 EC	700 mL/ha (236 mL/1000 L of water)	7	0.5	-	3 apps	12	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Labamba 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Matador 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	lambda-cyhalothrin	Silencer 120 EC	83 mL/ha	7	0.5	-	1 app	-	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	3	permethrin	Ambush 500 EC	400 mL/ha	7	0.5	-	1 app	7	Pest Stage: At threshold. Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Up-cycle is somewhat less disruptive to predatory mites while Decis is broad spectrum and one of the most powerful synthetic pyrethroids. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are ineffective. Pollinators: Do not apply during the crop blooming period.
	3	permethrin	Pounce 384 EC	175 mL/1000 L of water or 520 mL/ha	7	0.5	-	2 apps	7	Recommendation: Pyrethroids (Group 3) are disruptive to IPM programs leading to mite flare ups and therefore should be avoided if alternatives are available. Avoid applying synthetic pyrethroids when temperatures rise above 25°C because they are much less effective under these conditions. Pollinators: Do not apply when bloom is present.
	4	acetamiprid	Aceta 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps	12	Pollinators: Do not apply when bloom or flowering weeds are present. Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply at 100 degree days after the biofix date. Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment.
	4	acetamiprid	Assail 70 WP	80-240 g/ha see label	7	0.5-2, see label	6	4 apps, 960 g/ha/yr	12	Pest Stage: Hang pheromone traps around June 10 (1 trap per 2 hectares). Apply just prior to first generation egg hatch (100 degree days after the biofix date). Reapply if 10 or more moths have been trapped at 10-14 days after the first treatment. Pollinators: Do not apply when bloom or flowering weeds are present.

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	06, 28	cyantraniliprole + abamectin	Minecto Pro SC	496-919 mL/ha	28	0.5	-	1-2 apps, 1.0 L/ha/yr	21	<p>Crop Stage: Apply within 6 weeks of petal fall.</p> <p>Pest Stage: For best results with mite control, apply before a threshold of 5 spider mites per leaf is reached.</p> <p>Pollinators: Do not apply during crop blooming period.</p> <p>Coverage: Tank mix with 0.25-1% spray oil.</p> <p>Recommendation: Treatments for plum curculio may also control apple curculio. Controls European red mite, twospotted spider mite, and pear rust mite.</p>
	21	pyridaben	Nexter 75 WP	600-720 g/ha	25	0.5	-	2 apps	30	<p>Pest Stage: For mites, apply lower rate for European red mite and pear rust mite and higher rate for two-spotted spider mite and pear psylla. Effective on immature stages but not mite eggs.</p>
	21, 39	fenazaquin	Magister 205 SC	1.75-2.63 L/ha	10	0.5-1, see label	17	1 app, 2.63 L/ha/yr	-	<p>Pest Stage: Rapid motile knockdown and reduces egg hatch for next generation. Active at high and low temperatures.</p> <p>Pollinators: Do not apply during the crop blooming period.</p>
	NC	kaolin clay	Surround 95 WP	50 kg product/ha	0	0.5	-	-	-	<p>Coverage: Efficacy depends on complete coverage of leaves and fruit.</p> <p>Crop Safety: Surround keeps plant surfaces cool and may cause maturity delays of 3 to 7 days, especially in cool regions.</p>
Pear scab	Refer to section 05 PETAL FALL/CALYX									
Storage rots	P05	Reynoutria sachalinensis	Regalia Maxx 20 SC	0.125% v/v in 1,000 L water	0	when dry	-	-	7	Suppression only.
08 AUGUST TO NOVEMBER										
Mice/voles	NC	chlorophacinone	Rozol Rat and Mouse Killer	see label for available products	-	-	-	-	-	<p>Crop Stage: Apply after harvestable fruit has been removed. Commence baiting in late fall before first snowfall.</p>
Storage rots	M04	captan	Captan 480 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	<p>Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.</p>
	M04	captan	Captan L 482 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	<p>Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not tank-mix with surfactants.</p>
	M04	captan	Maestro 80 WSP	3.0 kg/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	<p>Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.</p>
	M04	captan	Sharda Captan 48 SC	5 L/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	<p>Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.</p>
	M04	captan	Supra Captan 80 WSP	3.0 kg/ha	15-19, see label	2-6 high density, 2-4 low density	15 high density, 24 low density	2-10 apps	7	<p>Crop Safety: Not compatible with strongly alkaline materials. Do not use 7-14 days before or after an oil application. Do not use on d'Anjou pears. Do not use WSP in a tank mix with boron, chlorine or oil and rinse the tank well before and after boron.</p>
09 POSTHARVEST										
Storage rots	1	thiabendazole	Mertect 500 SC	1 L/1,000 L	-	0.5	-	-	-	<p>Recommendation: For the control of Penicillium spp and Botrytis cinerea applied as a dip, flood or spray the harvested fruit with a suspension.</p>
	12	fludioxonil	Scholar 230 SC	496 mL/378 L	-	-	-	-	-	Post-harvest dip or drench.

Pest	Group	Active Ingredient	Pesticide	Rate	PHI (days)	REI (days)	REI Thinning (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	BM	pseudomonas syringae	Bio-Save 10 LP WP	500 g/300 L	-	-	-	-	-	Recommendation: Apply as a postharvest dip or drench application. Agitate the mixture to ensure proper suspension and treat fruit for at least one minute. Non-recovery Spray: Agitate the mixture to ensure proper suspension. Apply to freshly cleaned fruit prior to waxing. Apply over soft, clean brushes or donut rolls.