

2025



EXTENSION AND ADVISORY TEAM

TREE FRUIT WEED MANAGEMENT GUIDE

A guide to weed management in new, young and mature tree fruit orchards, and apple tree nurseries in Nova Scotia



DISCLAIMER

Recommendations in this guide are given for general information only and do not give the user the right to use a product in a manner not in accordance with the pesticide label or Pest Control Products Act. Perennia, by funding and printing this publication, and the editors/authors, do not offer any warranty or guarantee and do not assume any liability for crop loss, animal loss, health, safety, or environmental hazard caused by the use of any pesticide, advice, or recommendation in this schedule. Pesticides used in this schedule are products labeled for the target and crop. This information was retrieved from the Pest Management Regulatory Agency online list of Registered Products Database. The list of products presented in this schedule is intended to be complete, based on products known to be available in the region, but in no way is guaranteed to be complete. Some of the products listed may not be available. Trade names are given as a convenience to producers and are neither an endorsement of the product nor a suggestion that similar products are not available or effective.

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 Herbicides in the Tree Fruit Weed Management Guide 2025



PCP #	Group	Active Ingredient	Herbicide	Tree Fruit Crop Type	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Status Update
27598	1	clethodim	Centurion 240 EC	CHERRY	14	0.5	1 app		
22625	1	clethodim	Select 240 EC	CHERRY	14	0.5			
21209	1	fluazifop-P-butyl + S-isomer	Venture L 125 EC	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
25462	1	quizalofop-p-ethyl	Assure II 96 EC	APPLE	14	0.5			
				CHERRY	14	0.5			
				PEACH	14	0.5			
				PEAR	14	0.5			
24835	1	sethoxydim	Poast Ultra 450 EC	APPLE	30	0.5			Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
				CHERRY	30	0.5			Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
				PEACH	30	0.5			Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
				PEAR	30	0.5			Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
31209	2	halosulfuron, present as methyl ester	Sandea 73 WG	APPLE	14	0.5	2 apps, 140 g/ha	21	
				PLUM	14	0.5			
30057	2	rimsulfuron	Prism 25 SG	CHERRY	14	0.5	1 app		
				PEACH	14	0.5	1 app		
				PLUM	14	0.5	1 app		
29542	3	pendimethalin	Prowl H2O 455 SC	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PLUM		0.5	1 app		
30264	3	propyzamide	Kerb 400 SC	APPLE		1			
				PEAR		1			
28289	3	trifluralin	Bonanza 480 LI	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
23933	3	trifluralin	Treflan 480 EC	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
5931, 14726, 17511	4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	APPLE	80	0.5	2 broadcast apps		
				CHERRY	80	0.5	2 broadcast apps		
				PEACH	80	0.5	2 broadcast apps		

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				PEAR	80	0.5	2 broadcast apps		
				PLUM	80	0.5	2 broadcast apps		
23545	4	clopyralid	Lontrel 360 LI	APPLE	30	0.5			
				PEAR	30	0.5			
32795	4	clopyralid	Lontrel XC 600 SN	APPLE	30	0.5			
				PEAR	30	0.5			
15959	5	metribuzin	Lexone 75 DF	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
17242	5	metribuzin	Sencor 75 DF WG	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
32081	5	metribuzin	Squadron 75 WG	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
30661	5	metribuzin	TriCor 75 DF	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
16370	5	simazine and related triazines	Princep Nine-T 90 WG	APPLE		0.5			
				PEACH		0.5			
				PEAR		0.5			
15902	5	simazine and related triazines	Simadex Simazine 500 F	APPLE		0.5			
				PEAR		0.5			
23181	5	simazine and related triazines	Simazine 480 SN	APPLE		0.5			
				PEAR		0.5			
30082	5	terbacil	Sinbar 80 WG	APPLE	80	0.5			
				CHERRY	80	0.5			
				PEACH	80	0.5			
				PLUM	80	0.5			
12221	6	bentazon	Basagran 480 LI	APPLE	25	0.5			
				CHERRY	25	0.5			
				PEACH	25	0.5			

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PCP #	Group	Active Ingredient	Herbicide	Tree Fruit Crop Type	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Status Update
				PEAR	25	0.5			
32661	6	bentazon	Broadloom 480 SC	APPLE	25	0.5			
				CHERRY	25	0.5			
				PEACH	25	0.5			
				PEAR	25	0.5			
	9	glyphosate	Glyphosate 360 SC	APPLE	30	0.5			
				CHERRY	30	0.5			
				PEACH	30	0.5			
				PEAR	30	0.5			
				PLUM	30	0.5			
	9	glyphosate	Glyphosate 480 SC	APPLE	30	0.5			
				CHERRY	30	0.5			
				PEACH	30	0.5			
				PEAR	30	0.5			
				PLUM	30	0.5			
	9	glyphosate	Glyphosate 540 SC	APPLE	30	0.5			
				CHERRY	30	0.5			
				PEACH	30	0.5			
				PEAR	30	0.5			
				PLUM	30	0.5			
28198	9	glyphosate	Roundup Transorb HC 540 LI	APPLE	30	0.5			
				CHERRY	30	0.5			
				PEACH	30	0.5			
				PEAR	30	0.5			
				PLUM	30	0.5			
26920	9	glyphosate	Roundup Transorb Max 480 LI	APPLE	30	0.5			
				CHERRY	30	0.5			
				PEACH	30	0.5			
				PEAR	30	0.5			
				PLUM	30	0.5			
28532	10	glufosinate ammonium	Ignite 150 SN	APPLE	40	0.5	2 apps, 6.7 L/ha		
				CHERRY	40	0.5	2 apps, 6.7 L/ha		
				PEACH	40	0.5	2 apps, 6.7 L/ha		
				PEAR	40	0.5	2 apps, 6.7 L/ha		
				PLUM	40	0.5	2 apps, 6.7 L/ha		
28573	14	carfentrazone-ethyl	Aim 240 EC	APPLE	30	0.5	2 apps	14	
				CHERRY	30	0.5	2 apps	14	
				PEACH	30	0.5	2 apps	14	
				PEAR	30	0.5	2 apps	14	
				PLUM	30	0.5	2 apps	14	

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29231	14	flumioxazin	Chateau 51 WDG	APPLE	60	0.5	2 apps		
				CHERRY	60	0.5	2 apps		
				PEACH	60	0.5	2 apps		
				PEAR	60	0.5	2 apps		
				PLUM	60	0.5	2 apps		
29012	14	sulfentrazone	Authority 480 SC	APPLE	14	0.5			
25729	15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	APPLE		0.5	1 app		
				CHERRY		0.5	1 app		
				PEACH		0.5	1 app		
				PEAR		0.5	1 app		
				PLUM		0.5	1 app		
12533	20	dichlobenil	Casoron G-4	APPLE		1			
				CHERRY		1			
				PEACH		1			
				PEAR		1			
				PLUM		1			
26396	22	diquat ion	Reglone Dessicant 240 SN	APPLE		1			
33685	26	pelargonic acid	Beloukha 500 EC	APPLE	1	0.5	4 apps		
				CHERRY	1	0.5	4 apps		
				PEACH	1	0.5	4 apps		
				PEAR	1	0.5	4 apps		
				PLUM	1	0.5	4 apps		
30451	29	indaziflam	Alion 200 SC	APPLE	14	0.5	1 app	365	
				CHERRY	14	0.5	1 app	365	
				PEACH	14	0.5	1 app	365	
				PEAR	14	0.5	1 app	365	
				PLUM	14	0.5	1 app	365	
30248		acetic acid	Serene 20 LI	APPLE		0.5			
				CHERRY		0.5			
				PEACH		0.5			
				PEAR		0.5			
				PLUM		0.5			

Tree Fruit Weed Management Guide: Apple 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
A: Pre plant; 01: Site preparation									
Broadleaf, Grass	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
A: Pre plant; 02: Incorporated/Pre emergence									
Broadleaf, Grass	Bonanza 480 LI	trifluralin	3	1.25 – 2.3 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds.</p> <p>Coverage: Use higher rates on clay soils.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.</p>	
	Princep Nine-T 90 WG	simazine and related triazines	5	1.1 – 5.0 kg/ha		0.5		<p>Crop Stage: If weeds have emerged, burn down or cultivate before application.</p> <p>Crop Safety: Do not use on sandy soil with less than 2% organic matter. Avoid contact with bark and foliage. Do not plant any crop but corn in the treated area for 1 year after a simazine application. A soil-settling rainfall of 15-25 mm is advised prior to making any preemergent herbicide application to newly planted nursery trees.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils. Rainfall of 15-25 mm is required within 1-2 weeks to move the herbicide into the soil.</p>	
Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>		

Tree Fruit Weed Management Guide: Apple 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	Crop Stage: Apply and incorporate before transplanting fruit trees. Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.	
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees. Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass. Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
	Treflan 480 EC	trifluralin	3	1.2 – 2.4 L/ha in 100L/ha water		0.5	1 app	Crop Stage: Apply and incorporate before planting. Recommendation: Use higher rates on clay soils.	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees. Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees. Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.	
B: Established less than one year (year of planting); 01: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop. Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.	
	Basagran 480 LI	bentazon	6	1.75 – 2.25 L/ha in 100-400 L/ha water	25	0.5		Crop Safety: Registered for newly planted fruit trees. Use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. Use lower rate of ASSIST under hot humid conditions.	
	Broadloom 480 SC	bentazon	6	1.75 – 2.25 L/ha in 100 to 400 L/ha of water	25	0.5		Crop Safety: Directed spray ONLY. Use lower rate of ASSIST under hot humid conditions.	
Grass	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth. Recommendation: Complete grass control will take 7 to 21 days.	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Reglone Dessicant 240 SN	diquat ion	22	4.6 L/ha		1		Recommendation: Perennial grass suppression under apple trees.	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
	Venture L 125 EC	fluzifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
C: Established at least 1 year (young); 01: Pre emergence									
Broadleaf	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.</p>	
	Sandea 73 WG	halosulfuron, present as methyl ester	2	35 – 140 g/ha	14	0.5	2 apps, 140 g/ha	<p>Recommendation: Apply as a single or sequential application. If applying twice, apply first application at 3–5-leaf stage.</p> <p>Crop Safety: Do not apply to plants established less than one year or plants under stress. Rains greater than 1" within 5–7 days of application may cause temporary yellowing and delay development of crop. Do NOT contact green tissue such as foliage, fruit or green bark.</p>	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	
Broadleaf, Grass	Authority 480 SC	sulfentrazone	14	219 – 292 mL/ha	14	0.5		<p>Crop Safety: Avoid spraying the green bark of trunks. Also avoid spraying crop foliage and fruit. Do NOT apply heavy irrigation immediately after application. Do NOT tank mix with flumioxazin (CHATEAU) or other products containing sulfentrazone. Not registered on pears or stone fruit.</p> <p>Recommendation: Best results obtained when the soil is moist at the time of application and followed by at least 0.5" of rainfall within 2 weeks of application. Chateau has activity on ragweed whereas Authority does not.</p>	
	Casoron G-4	dichlobenil	20	110 – 175 kg/ha		1		<p>Crop Safety: Do not use on light sandy soil. Do not apply if temperatures are above 10–15 C to avoid injury from volatilization.</p> <p>Recommendation: A rate of 70 grams applied to an area of 2x2 m is equivalent to 175 kg/ha. Apply late fall or early spring.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
	Princep Nine-T 90 WG	simazine and related triazines	5	1.1 – 5.0 kg/ha		0.5		<p>Crop Stage: If weeds have emerged, burn down or cultivate before application.</p> <p>Crop Safety: Do not use on sandy soil with less than 2% organic matter. Avoid contact with bark and foliage. Do not plant any crop but corn in the treated area for 1 year after a simazine application. A soil-settling rainfall of 15-25 mm is advised prior to making any preemergent herbicide application to newly planted nursery trees.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils. Rainfall of 15-25 mm is required within 1-2 weeks to move the herbicide into the soil.</p>	
	Prowl H2O 455 SC	pendimethalin	3	3.7 L/ha in Apply in 200 L water/ha		0.5	1 app	<p>New formulation of an older herbicide.</p> <p>Recommendation: Spring application preferred because targets summer annuals. Good control of annual grasses and lamb's-quarters but weak on ragweed. Treatments are most effective in controlling weeds when adequate rainfall is received within seven days after application. Does not provide control of bluegrass.</p>	
	Simadex Simazine 500 F	simazine and related triazines	5	4.5 – 9.0 L/ha in 300 L/ha water		0.5		<p>Crop Safety: Apply to trees planted one year or longer. Avoid contact with the bark and foliage.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass.</p>	
	Simazine 480 SN	simazine and related triazines	5	4.7 – 9.4 L/ha in 300 L of water/ha		0.5		<p>Crop Stage: Prior to weed emergence in the spring. If weeds have emerged, hoe or cultivate prior to treatment.</p>	
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees.</p> <p>Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
	Kerb 400 SC	propyzamide	3	4.5 kg/ha		1		<p>Crop Stage: Apply from late September to early November to trees established for one year or more.</p> <p>Recommendation: Best results obtained when soil temperatures are low but above freezing and soil moisture is high.</p>	
C: Established at least 1 year (young); 02: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
	Lontrel 360 LI	clopyralid	4	0.56 L/ha	30	0.5		<p>Crop Stage: For control of vetch at early flower stage and other labelled weeds.</p> <p>Coverage: Apply as spot treatment.</p> <p>Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.</p>	

Tree Fruit Weed Management Guide: Apple 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
	Lontrel XC 600 SN	clopyralid	4	0.34 L/ha	30	0.5		<p>Crop Stage: For control of vetch at early flower stage and other labelled weeds.</p> <p>Coverage: Apply as spot treatment.</p> <p>Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.</p>	
	Sandea 73 WG	halosulfuron, present as methyl ester	2	35 – 140 g/ha	14	0.5	2 apps, 140 g/ha	<p>Recommendation: Apply as a single or sequential application. If applying twice, apply first application at 3–5-leaf stage.</p> <p>Crop Safety: Do not apply to plants established less than one year or plants under stress. Rains greater than 1" within 5–7 days of application may cause temporary yellowing and delay development of crop. Do NOT contact green tissue such as foliage, fruit or green bark.</p>	
Broadleaf, Grass	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonpourous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Serene 20 LI	acetic acid		1 L of product for 2.25 to 3 L of water		0.5		<p>May be an organic option.</p> <p>Crop Safety: Do not apply after budbreak unless using a hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with fruit or foliage.</p> <p>Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds.</p> <p>Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.</p>	
Grass	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Reglone Dessicant 240 SN	diquat ion	22	4.6 L/ha		1		<p>Recommendation: Perennial grass suppression under apple trees.</p>	
	Venture L 125 EC	fluazifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
D: Established at least 3 years (mature); 01: Pre emergence									
Broadleaf	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	

Tree Fruit Weed Management Guide: Apple 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
Broadleaf,Grass	Alion 200 SC	indaziflam	29	0.375 L/ha	14	0.5	1 app	<p>Crop Safety: Apply only to trees that have been established for at least 3 growing seasons. Wait until single-tree replacements are also established for 3 years. Allow at least 12 months between the last application of Alion and replanting an orchard with tree crops.</p> <p>Crop Stage: Apply whenever the ground is not frozen, however fall application is preferred due to the need for rain for activation. If weeds have germinated tank mix with a burn down herbicide.</p> <p>Recommendation: Excellent long-term, broad-spectrum control of key annuals. Excessive crop or weed debris may prevent uniform product distribution reaching the soil and reduced weed control.</p>	
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	
D: Established at least 3 years (mature); 02: Post emergence									
Broadleaf				1.67 L/ha	80	0.5	2 broadcast apps	<p>Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.</p>	
Broadleaf,Grass	Glyphosate 360 SC	glyphosate	9	2.25 – 12 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 480 SC	glyphosate	9	1.69 – 9 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 540 SC	glyphosate	9	1.5 – 8 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	

Tree Fruit Weed Management Guide: Apple 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonpourous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
Broadleaf, Grass, Perennial	Beloukha 500 EC	pelargonic acid	26	12-20 L/ha in at least 200 L/ha water	1	0.5	4 apps	<p>Crop Stage: Effective on labelled weeds <10 cm in height.</p> <p>Crop Safety: Use on woody/hardened trees greater than 2 years old. Use shielded/directed spray to avoid spraying desired vegetation.</p> <p>Recommendation: For hard to control weeds, higher rates or repeat applications may be required. For suckers, apply product to suckers before hardening/lignification. Use shielded equipment to avoid damage to trunks. Do not use on green trunks.</p>	
Grass	Assure II 96 EC	quizalofop-p-ethyl	1	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5		<p>Crop Safety: Use a directed spray application to minimize the amount of spray coming into contact with fruit trees. Label does not specify tree age for application.</p>	
	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
Other: Apple Nursery; 01 Pre plant									

Tree Fruit Weed Management Guide: Apple 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
Broadleaf,Grass	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
Other: Apple Nursery; 02 Pre emergence									
Broadleaf,Grass	Princep Nine-T 90 WG	simazine and related triazines	5	1.1 – 5.0 kg/ha		0.5		<p>Crop Stage: If weeds have emerged, burn down or cultivate before application.</p> <p>Crop Safety: Do not use on sandy soil with less than 2% organic matter. Avoid contact with bark and foliage. Do not plant any crop but corn in the treated area for 1 year after a simazine application. A soil-settling rainfall of 15-25 mm is advised prior to making any preemergent herbicide application to newly planted nursery trees.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils. Rainfall of 15-25 mm is required within 1-2 weeks to move the herbicide into the soil.</p>	
	Princep Nine-T 90 WG	simazine and related triazines	5	1.1 – 5.0 kg/ha		0.5		<p>Crop Stage: If weeds have emerged, burn down or cultivate before application.</p> <p>Crop Safety: Do not use on sandy soil with less than 2% organic matter. Avoid contact with bark and foliage. Do not plant any crop but corn in the treated area for 1 year after a simazine application. A soil-settling rainfall of 15-25 mm is advised prior to making any preemergent herbicide application to newly planted nursery trees.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils. Rainfall of 15-25 mm is required within 1-2 weeks to move the herbicide into the soil.</p>	
Other: Apple Nursery; 03 Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	

Tree Fruit Weed Management Guide: Apple 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
APPLE									
	Basagran 480 LI	bentazon	6	1.75 – 2.25 L/ha in 100-400 L/ha water	25	0.5		Crop Safety: Registered for newly planted fruit trees. Use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. Use lower rate of ASSIST under hot humid conditions.	
Grass	Venture L 125 EC	fluazifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
Other: Sucker removal									
Suckers	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
	Beloukha 500 EC	pelargonic acid	26	12-20 L/ha in at least 200 L/ha water	1	0.5	4 apps	<p>Crop Stage: Effective on labelled weeds <10 cm in height.</p> <p>Crop Safety: Use on woody/hardened trees greater than 2 years old. Use shielded/directed spray to avoid spraying desired vegetation.</p> <p>Recommendation: For hard to control weeds, higher rates or repeat applications may be required. For suckers, apply product to suckers before hardening/lignification. Use shielded equipment to avoid damage to trunks. Do not use on green trunks.</p>	

Tree Fruit Weed Management Guide: Pear 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEAR									
A: Pre plant; 01: Site preparation									
Broadleaf, Grass	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
A: Pre plant; 02: Incorporated/Pre emergence									
Broadleaf, Grass	Bonanza 480 LI	trifluralin	3	1.25 – 2.3 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds.</p> <p>Coverage: Use higher rates on clay soils.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
	Treflan 480 EC	trifluralin	3	1.2 – 2.4 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting.</p> <p>Recommendation: Use higher rates on clay soils.</p>	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees.</p> <p>Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
B: Established less than one year (year of planting); 01: Post emergence									

Tree Fruit Weed Management Guide: Pear 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEAR									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
	Basagran 480 LI	bentazon	6	1.75 – 2.25 L/ha in 100-400 L/ha water	25	0.5		<p>Crop Safety: Registered for newly planted fruit trees. Use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. Use lower rate of ASSIST under hot humid conditions.</p>	
	Broadloom 480 SC	bentazon	6	1.75 – 2.25 L/ha in 100 to 400 L/ha of water	25	0.5		<p>Crop Safety: Directed spray ONLY. Use lower rate of ASSIST under hot humid conditions.</p>	
Grass	Venture L 125 EC	fluazifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
C: Established at least 1 year (young); 01: Pre emergence									
Broadleaf	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.</p>	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	
Broadleaf, Grass	Casoron G-4	dichlobenil	20	110 – 175 kg/ha		1		<p>Crop Safety: Do not use on light sandy soil. Do not apply if temperatures are above 10-15 C to avoid injury from volatilization.</p> <p>Recommendation: A rate of 70 grams applied to an area of 2x2 m is equivalent to 175 kg/ha. Apply late fall or early spring.</p>	

Tree Fruit Weed Management Guide: Pear 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEAR									
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Princep Nine-T 90 WG	simazine and related triazines	5	1.1 – 5.0 kg/ha		0.5		<p>Crop Stage: If weeds have emerged, burn down or cultivate before application.</p> <p>Crop Safety: Do not use on sandy soil with less than 2% organic matter. Avoid contact with bark and foliage. Do not plant any crop but corn in the treated area for 1 year after a simazine application. A soil-settling rainfall of 15-25 mm is advised prior to making any preemergent herbicide application to newly planted nursery trees.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils. Rainfall of 15-25 mm is required within 1-2 weeks to move the herbicide into the soil.</p>	
	Simadex Simazine 500 F	simazine and related triazines	5	4.5 – 9.0 L/ha in 300 L/ha water		0.5		<p>Crop Safety: Apply to trees planted one year or longer. Avoid contact with the bark and foliage.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass.</p>	
	Simazine 480 SN	simazine and related triazines	5	4.7 – 9.4 L/ha in 300 L of water/ha		0.5		<p>Crop Stage: Prior to weed emergence in the spring. If weeds have emerged, hoe or cultivate prior to treatment.</p>	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees.</p> <p>Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
	Kerb 400 SC	propyzamide	3	4.5 kg/ha		1		<p>Crop Stage: Apply from late September to early November to trees established for one year or more.</p> <p>Recommendation: Best results obtained when soil temperatures are low but above freezing and soil moisture is high.</p>	
C: Established at least 1 year (young); 02: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	

Tree Fruit Weed Management Guide: Pear 2025

Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEAR									
Broadleaf, Grass	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Lontrel 360 LI	clopyralid	4	0.56 L/ha	30	0.5		<p>Crop Stage: For control of vetch at early flower stage and other labelled weeds.</p> <p>Coverage: Apply as spot treatment.</p> <p>Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.</p>	
	Lontrel XC 600 SN	clopyralid	4	0.34 L/ha	30	0.5		<p>Crop Stage: For control of vetch at early flower stage and other labelled weeds.</p> <p>Coverage: Apply as spot treatment.</p> <p>Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.</p>	
	Serene 20 LI	acetic acid		1 L of product for 2.25 to 3 L of water		0.5		<p>May be an organic option.</p> <p>Crop Safety: Do not apply after budbreak unless using a hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with fruit or foliage.</p> <p>Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds.</p> <p>Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.</p>	
Grass	Venture L 125 EC	fluazifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
D: Established at least 3 years (mature); 01: Pre emergence									
Grass	Alion 200 SC	indaziflam	29	0.375 L/ha	14	0.5	1 app	<p>Crop Safety: Apply only to trees that have been established for at least 3 growing seasons. Wait until single-tree replacements are also established for 3 years. Allow at least 12 months between the last application of Alion and replanting an orchard with tree crops.</p> <p>Crop Stage: Apply whenever the ground is not frozen, however fall application is preferred due to the need for rain for activation. If weeds have germinated tank mix with a burn down herbicide.</p> <p>Recommendation: Excellent long-term, broad-spectrum control of key annuals. Excessive crop or weed debris may prevent uniform product distribution reaching the soil and reduced weed control.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
D: Established at least 3 years (mature); 02: Post emergence									
Broadleaf, Grass				1.67 L/ha	80	0.5	2 broadcast apps	<p>Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.</p>	
	Assure II 96 EC	quizalofop-p-ethyl	1	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5		<p>Crop Safety: Use a directed spray application to minimize the amount of spray coming into contact with fruit trees. Label does not specify tree age for application.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEAR	Glyphosate 360 SC	glyphosate	9	2.25 – 12 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 480 SC	glyphosate	9	1.69 – 9 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 540 SC	glyphosate	9	1.5 – 8 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEAR									
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
Broadleaf,Grass,Perennial	Beloukha 500 EC	pelargonic acid	26	12-20 L/ha in at least 200 L/ha water	1	0.5	4 apps	<p>Crop Stage: Effective on labelled weeds <10 cm in height.</p> <p>Crop Safety: Use on woody/hardened trees greater than 2 years old. Use shielded/directed spray to avoid spraying desired vegetation.</p> <p>Recommendation: For hard to control weeds, higher rates or repeat applications may be required. For suckers, apply product to suckers before hardening/lignification. Use shielded equipment to avoid damage to trunks. Do not use on green trunks.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEACH									
A: Pre plant; 01: Site preparation									
Broadleaf, Grass	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
A: Pre plant; 02: Incorporated/Pre emergence									
Broadleaf, Grass	Bonanza 480 LI	trifluralin	3	1.25 – 2.3 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds.</p> <p>Coverage: Use higher rates on clay soils.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.</p>	
	Princep Nine-T 90 WG	simazine and related triazines	5	1.1 – 5.0 kg/ha		0.5		<p>Crop Stage: If weeds have emerged, burn down or cultivate before application.</p> <p>Crop Safety: Do not use on sandy soil with less than 2% organic matter. Avoid contact with bark and foliage. Do not plant any crop but corn in the treated area for 1 year after a simazine application. A soil-settling rainfall of 15-25 mm is advised prior to making any preemergent herbicide application to newly planted nursery trees.</p> <p>Recommendation: User higher rate for perennial weeds such as quackgrass. Use low rate for sandy or low organic matter soils. Use high rate for clay or high organic soils. Rainfall of 15-25 mm is required within 1-2 weeks to move the herbicide into the soil.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEACH									
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
	Treflan 480 EC	trifluralin	3	1.2 – 2.4 L/ha in 100L/ha water		0.5	1 app	Crop Stage: Apply and incorporate before planting. Recommendation: Use higher rates on clay soils.	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees. Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees. Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.	
B: Established less than one year (year of planting); 01: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop. Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.	
	Basagran 480 LI	bentazon	6	1.75 – 2.25 L/ha in 100-400 L/ha water	25	0.5		Crop Safety: Registered for newly planted fruit trees. Use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. Use lower rate of ASSIST under hot humid conditions.	
	Broadloom 480 SC	bentazon	6	1.75 – 2.25 L/ha in 100 to 400 L/ha of water	25	0.5		Crop Safety: Directed spray ONLY. Use lower rate of ASSIST under hot humid conditions.	
Grass	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth. Recommendation: Complete grass control will take 7 to 21 days.	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
C: Established at least 1 year (young); 01: Pre emergence									
Broadleaf	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
Broadleaf,Grass	Casoron G-4	dichlobenil	20	110 – 175 kg/ha		1		Crop Safety: Do not use on light sandy soil. Do not apply if temperatures are above 10-15 C to avoid injury from volatilization. Recommendation: A rate of 70 grams applied to an area of 2x2 m is equivalent to 175 kg/ha. Apply late fall or early spring.	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum. Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.	
	Prowl H2O 455 SC	pendimethalin	3	3.7 L/ha in Apply in 200 L water/ha		0.5	1 app	New formulation of an older herbicide. Recommendation: Spring application preferred because targets summer annuals. Good control of annual grasses and lamb's-quarters but weak on ragweed. Treatments are most effective in controlling weeds when adequate rainfall is received within seven days after application. Does not provide control of bluegrass.	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEACH									
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees.</p> <p>Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
C: Established at least 1 year (young); 02: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
Broadleaf,Grass	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonpourous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Serene 20 LI	acetic acid		1 L of product for 2.25 to 3 L of water		0.5		<p>May be an organic option.</p> <p>Crop Safety: Do not apply after budbreak unless using a hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with fruit or foliage.</p> <p>Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds.</p> <p>Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.</p>	
Grass	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Venture L 125 EC	fluzifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
D: Established at least 3 years (mature); 01: Pre emergence									
Broadleaf	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	

Tree Fruit Weed Management Guide: Peach 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEACH									
Grass	Alion 200 SC	indaziflam	29	0.375 L/ha	14	0.5	1 app	<p>Crop Safety: Apply only to trees that have been established for at least 3 growing seasons. Wait until single-tree replacements are also established for 3 years. Allow at least 12 months between the last application of Alion and replanting an orchard with tree crops.</p> <p>Crop Stage: Apply whenever the ground is not frozen, however fall application is preferred due to the need for rain for activation. If weeds have germinated tank mix with a burn down herbicide.</p> <p>Recommendation: Excellent long-term, broad-spectrum control of key annuals. Excessive crop or weed debris may prevent uniform product distribution reaching the soil and reduced weed control.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
D: Established at least 3 years (mature); 02: Post emergence Broadleaf,Grass									
				1.67 L/ha	80	0.5	2 broadcast apps	<p>Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.</p>	
	Assure II 96 EC	quizalofop-p-ethyl	1	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5		<p>Crop Safety: Use a directed spray application to minimize the amount of spray coming into contact with fruit trees. Label does not specify tree age for application.</p>	
	Glyphosate 360 SC	glyphosate	9	2.25 – 12 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 480 SC	glyphosate	9	1.69 – 9 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 540 SC	glyphosate	9	1.5 – 8 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonpourous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.

Tree Fruit Weed Management Guide: Peach 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PEACH									
	Prism 25 SG	rimsulfuron	2	60 g/ha in 200 L of water/ha	14	0.5	1 app	Use only on stone fruit. Crop Stage: Apply when quackgrass is at 3–6-leaf stage (less than 4 in. tall), annual grasses at 1–6-leaf stage and redroot pigweed is in the 4–6-leaf stage.	
	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring. Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers. Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring. Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers. Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.	
Broadleaf,Grass,Perennial	Beloukha 500 EC	pelargonic acid	26	12-20 L/ha in at least 200 L/ha water	1	0.5	4 apps	Crop Stage: Effective on labelled weeds <10 cm in height. Crop Safety: Use on woody/hardened trees greater than 2 years old. Use shielded/directed spray to avoid spraying desired vegetation. Recommendation: For hard to control weeds, higher rates or repeat applications may be required. For suckers, apply product to suckers before hardening/lignification. Use shielded equipment to avoid damage to trunks. Do not use on green trunks.	

Tree Fruit Weed Management Guide: Cherry 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
CHERRY									
A: Pre plant; 01: Site preparation									
Broadleaf, Grass	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
A: Pre plant; 02: Incorporated/Pre emergence									
Broadleaf, Grass	Bonanza 480 LI	trifluralin	3	1.25 – 2.3 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds.</p> <p>Coverage: Use higher rates on clay soils.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	

Tree Fruit Weed Management Guide: Cherry 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
CHERRY									
	Treflan 480 EC	trifluralin	3	1.2 – 2.4 L/ha in 100L/ha water		0.5	1 app	Crop Stage: Apply and incorporate before planting. Recommendation: Use higher rates on clay soils.	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees. Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees. Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.	
B: Established less than one year (year of planting); 01: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop. Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.	
	Basagran 480 LI	bentazon	6	1.75 – 2.25 L/ha in 100-400 L/ha water	25	0.5		Crop Safety: Registered for newly planted fruit trees. Use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. Use lower rate of ASSIST under hot humid conditions.	
	Broadloom 480 SC	bentazon	6	1.75 – 2.25 L/ha in 100 to 400 L/ha of water	25	0.5		Crop Safety: Directed spray ONLY. Use lower rate of ASSIST under hot humid conditions.	
C: Established at least 1 year (young); 01: Pre emergence									
Broadleaf	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.	
Broadleaf, Grass	Casoron G-4	dichlobenil	20	110 – 175 kg/ha		1		Crop Safety: Do not use on light sandy soil. Do not apply if temperatures are above 10-15 C to avoid injury from volatilization. Recommendation: A rate of 70 grams applied to an area of 2x2 m is equivalent to 175 kg/ha. Apply late fall or early spring.	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum. Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.	
	Prowl H2O 455 SC	pendimethalin	3	3.7 L/ha in Apply in 200 L water/ha		0.5	1 app	New formulation of an older herbicide. Recommendation: Spring application preferred because targets summer annuals. Good control of annual grasses and lamb's-quarters but weak on ragweed. Treatments are most effective in controlling weeds when adequate rainfall is received within seven days after application. Does not provide control of bluegrass.	

Tree Fruit Weed Management Guide: Cherry 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
CHERRY									
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees. Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
C: Established at least 1 year (young); 02: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
	Centurion 240 EC	clethodim	1	0.19 – 0.38 L/ha	14	0.5	1 app	<p>Established cherry ONLY.</p> <p>Recommendation: Use high rate with 1% v/v surfactant for quackgrass control at the 2–6-leaf stage. Use the low rate with 0.5% v/v surfactant for all other labelled grassy weeds at the 2–6-leaf stage.</p>	
	Select 240 EC	clethodim	1	0.19 – 0.38 L/ha	14	0.5		<p>Established cherry ONLY.</p> <p>Recommendation: Use high rate with 1% v/v surfactant for quackgrass control at the 2–6-leaf stage. Use the low rate with 0.5% v/v surfactant for all other labelled grassy weeds at the 2–6-leaf stage.</p>	
Broadleaf,Grass	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Serene 20 LI	acetic acid		1 L of product for 2.25 to 3 L of water		0.5		<p>May be an organic option.</p> <p>Crop Safety: Do not apply after budbreak unless using a hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with fruit or foliage.</p> <p>Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds.</p> <p>Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.</p>	

Tree Fruit Weed Management Guide: Cherry 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
CHERRY									
Grass	Venture L 125 EC	fluazifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
D: Established at least 3 years (mature); 01: Pre emergence									
Grass	Alion 200 SC	indaziflam	29	0.375 L/ha	14	0.5	1 app	<p>Crop Safety: Apply only to trees that have been established for at least 3 growing seasons. Wait until single-tree replacements are also established for 3 years. Allow at least 12 months between the last application of Alion and replanting an orchard with tree crops.</p> <p>Crop Stage: Apply whenever the ground is not frozen, however fall application is preferred due to the need for rain for activation. If weeds have germinated tank mix with a burn down herbicide.</p> <p>Recommendation: Excellent long-term, broad-spectrum control of key annuals. Excessive crop or weed debris may prevent uniform product distribution reaching the soil and reduced weed control.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
D: Established at least 3 years (mature); 02: Post emergence									
Broadleaf, Grass				1.67 L/ha	80	0.5	2 broadcast apps	<p>Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.</p>	
	Assure II 96 EC	quizalofop-p-ethyl	1	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5		<p>Crop Safety: Use a directed spray application to minimize the amount of spray coming into contact with fruit trees. Label does not specify tree age for application.</p>	
	Glyphosate 360 SC	glyphosate	9	2.25 – 12 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 480 SC	glyphosate	9	1.69 – 9 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	

Tree Fruit Weed Management Guide: Cherry 2025



Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
CHERRY									
	Glyphosate 540 SC	glyphosate	9	1.5 – 8 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Prism 25 SG	rimsulfuron	2	60 g/ha in 200 L of water/ha	14	0.5	1 app	<p>Use only on stone fruit.</p> <p>Crop Stage: Apply when quackgrass is at 3–6-leaf stage (less than 4 in. tall), annual grasses at 1–6-leaf stage and redroot pigweed is in the 4–6-leaf stage.</p>	
	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
Broadleaf, Grass, Perennial	Beloukha 500 EC	pelargonic acid	26	12-20 L/ha in at least 200 L/ha water	1	0.5	4 apps	<p>Crop Stage: Effective on labelled weeds <10 cm in height.</p> <p>Crop Safety: Use on woody/hardened trees greater than 2 years old. Use shielded/directed spray to avoid spraying desired vegetation.</p> <p>Recommendation: For hard to control weeds, higher rates or repeat applications may be required. For suckers, apply product to suckers before hardening/lignification. Use shielded equipment to avoid damage to trunks. Do not use on green trunks.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PLUM									
A: Pre plant; 01: Site preparation									
Broadleaf, Grass	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
A: Pre plant; 02: Incorporated/Pre emergence									
Broadleaf, Grass	Bonanza 480 LI	trifluralin	3	1.25 – 2.3 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds.</p> <p>Coverage: Use higher rates on clay soils.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
	Sinbar 80 WG	terbacil	5	0.63 kg/ha – 4.5 kg/ha	80	0.5		<p>Crop Stage: Good option for fall application of a residual herbicide that is labelled in first year fruit trees.</p> <p>Recommendation: Use 2.25 kg/ha on sandy loams and 3.25 kg/ha on silt loams. Where organic matter is over 2% use 3.25 – 4.25 kg/ha. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p> <p>Crop Safety: Risk of tree injury if it washes down a field and accumulates. Avoid contact with foliage.</p>	
	Treflan 480 EC	trifluralin	3	1.2 – 2.4 L/ha in 100L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before planting.</p> <p>Recommendation: Use higher rates on clay soils.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PLUM									
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees.</p> <p>Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
B: Established less than one year (year of planting); 01: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
Grass	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
C: Established at least 1 year (young); 01: Pre emergence									
Broadleaf	Lexone 75 DF	metribuzin	5	1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Avoid contact with bark and foliage. Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter.</p>	
	Squadron 75 WG	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	
	TriCor 75 DF	metribuzin	5	0.5 – 1.0 kg/ha in 150 to 300 L/ha water		0.5	1 app	<p>Crop Safety: Do NOT use on soils that are coarser than sandy loams with less than 3% organic matter. Avoid contact with bark and foliage.</p>	
Broadleaf, Grass	Casoron G-4	dichlobenil	20	110 – 175 kg/ha		1		<p>Crop Safety: Do not use on light sandy soil. Do not apply if temperatures are above 10-15 C to avoid injury from volatilization.</p> <p>Recommendation: A rate of 70 grams applied to an area of 2x2 m is equivalent to 175 kg/ha. Apply late fall or early spring.</p>	
	Chateau 51 WDG	flumioxazin	14	280 – 420 g/ha	60	0.5	2 apps	<p>Recommendation: Spring application preferred. Apply the lower rate to coarse textured soil with less than 5% organic matter and apply the higher rate to medium textured soil with less than 5% organic matter. Chateau has activity on ragweed whereas Authority does not. Controls key broadleaf weeds but gives poor long-term control of grasses. Can be tank mixed with Prowl H2O to widen weed spectrum.</p> <p>Crop Safety: All applications to pears, or within 100 metres of pears, must be made after final harvest in the fall or prior to 2 months before budbreak in the spring. Do NOT apply after bud break unless using hooded or shielded equipment. Do not apply to apple or pear trees less than one year, unless protected from spray contact by non-porous wraps, grow tubes or waxed container.</p>	
	Prowl H2O 455 SC	pendimethalin	3	3.7 L/ha in Apply in 200 L water/ha		0.5	1 app	<p>New formulation of an older herbicide.</p> <p>Recommendation: Spring application preferred because targets summer annuals. Good control of annual grasses and lamb's-quarters but weak on ragweed. Treatments are most effective in controlling weeds when adequate rainfall is received within seven days after application. Does not provide control of bluegrass.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PLUM									
Grass	Dual II Magnum 915 EC	S-metolachlor + R-enantiomer	15	1.25 – 1.75 L/ha		0.5	1 app	<p>Crop Stage: Apply in new orchards following planting and prior to weed emergence and preferably after rain has settled the soil around the trees.</p> <p>Crop Safety: Do not apply to sandy soils with less than 2% organic matter. Avoid spray contact with the trees.</p> <p>Recommendation: Apply with Princep for expanded weed control. Does not provide control of bluegrass.</p>	
C: Established at least 1 year (young); 02: Post emergence									
Broadleaf	Aim 240 EC	carfentrazone-ethyl	14	150-300 mL/ha in at least 100 L/ha water	30	0.5	2 apps	<p>Crop Safety: Crop injury will occur when spray is allowed to come in contact with the green stem tissue, leaves, blooms or fruit of the crop. Use of hooded sprayers is recommended, especially in young orchard or nurseries to prevent herbicide contact with green tissue and immature bark. To avoid significant crop response, applications should not be made within 6 to 8 hours of either rain or irrigation or when heavy dew is present on the crop.</p> <p>Crop Stage: Apply to actively growing weeds up to 4 in. tall. Apply to basal shoots (suckers) before they have hardened bark.</p>	
Broadleaf, Grass	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Serene 20 LI	acetic acid		1 L of product for 2.25 to 3 L of water		0.5		<p>May be an organic option.</p> <p>Crop Safety: Do not apply after budbreak unless using a hooded or shielded application equipment and applicator can ensure spray drift will not come in contact with fruit or foliage.</p> <p>Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds.</p> <p>Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.</p>	
Grass	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Venture L 125 EC	fluzifop-P-butyl + S-isomer	1	0.6 – 2.0 L/ha		0.5	1 app	<p>Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled.</p> <p>Crop Safety: For postemergent herbicide treatments in tree fruit nurseries, use an appropriate drift shroud or shield around the nozzle to prevent herbicide contact with green tissue and immature bark. This includes hand-held equipment such as backpack sprayers.</p> <p>Recommendation: Venture is effective but is slow to work (2-3 wks). You can check for activity by removing the flag leaf on treated grass and examining the base of that shoot for rot. Do not use Ignite with Venture because Ignite will burn topgrowth before Venture kills it. WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>	
D: Established at least 3 years (mature); 01: Pre emergence									

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PLUM									
Grass	Alion 200 SC	indaziflam	29	0.375 L/ha	14	0.5	1 app	<p>Crop Safety: Apply only to trees that have been established for at least 3 growing seasons. Wait until single-tree replacements are also established for 3 years. Allow at least 12 months between the last application of Alion and replanting an orchard with tree crops.</p> <p>Crop Stage: Apply whenever the ground is not frozen, however fall application is preferred due to the need for rain for activation. If weeds have germinated tank mix with a burn down herbicide.</p> <p>Recommendation: Excellent long-term, broad-spectrum control of key annuals. Excessive crop or weed debris may prevent uniform product distribution reaching the soil and reduced weed control.</p>	
	Sencor 75 DF WG	metribuzin	5	0.55 – 1.0 kg/ha in 150-300 L/ha water		0.5	1 app	<p>Crop Stage: Apply and incorporate before transplanting fruit trees.</p> <p>Recommendation: Use higher rates on clay soils. Provides some suppression of quackgrass and pre-emergent activity on bluegrass.</p>	
D: Established at least 3 years (mature); 02: Post emergence									
Broadleaf, Grass	Assure II 96 EC	quizalofop-p-ethyl	1	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5		<p>Crop Safety: Use a directed spray application to minimize the amount of spray coming into contact with fruit trees. Label does not specify tree age for application.</p>	
	Glyphosate 360 SC	glyphosate	9	2.25 – 12 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 480 SC	glyphosate	9	1.69 – 9 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Glyphosate 540 SC	glyphosate	9	1.5 – 8 L/ha	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	

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Weed Types	Herbicide	Active Ingredient	Group	Rate	PHI (days)	REI (days)	Product Maximum	Notes / Restrictions / Warnings	Status Update
PLUM									
	Ignite 150 SN	glufosinate ammonium	10	2.7 – 5 L/ha	40	0.5	2 apps, 6.7 L/ha	<p>Crop Stage: Apply before weed growth reaches 30 cm in height.</p> <p>Crop Safety: Only trunks with callused, mature brown bark should be sprayed unless protected from spray contact by nonporous wraps, tree/bark guards, grow tubes or waxed containers. Apply as a directed spray when the ground is not frozen or snow covered.</p> <p>Recommendation: Use Ignite during hot days in full sun if possible and the product is ineffective when applied to wet leaves.</p>	
	Poast Ultra 450 EC	sethoxydim	1	0.32 – 1.1 L/ha	30	0.5		<p>Crop Stage: Apply to emerged annual grasses at the two to six leaf stage during active growth.</p> <p>Recommendation: Complete grass control will take 7 to 21 days.</p>	Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.
	Prism 25 SG	rimsulfuron	2	60 g/ha in 200 L of water/ha	14	0.5	1 app	<p>Use only on stone fruit.</p> <p>Crop Stage: Apply when quackgrass is at 3–6-leaf stage (less than 4 in. tall), annual grasses at 1–6-leaf stage and redroot pigweed is in the 4–6-leaf stage.</p>	
	Roundup Transorb HC 540 LI	glyphosate	9	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
	Roundup Transorb Max 480 LI	glyphosate	9	1.69 – 9 L/ha in 200-300 L/ha of water	30	0.5		<p>Crop Stage: For preplant, treat area to be planted and till soil 7 to 10 days later. Use postemergence at bud bloom growth stage to control most perennial weeds. Repeat treatments may be necessary. Avoid applications after the end of June when trees are storing reserves in roots. May be applied in the fall after a couple of relatively warm nighttime lows above 2C. Will work slowly in cool temperatures but should be effective come spring.</p> <p>Crop Safety: Established plantings of at least 3 years only. Do not apply to trees with green bark and do not apply to root suckers.</p> <p>Recommendation: If using glyphosate alone, consider coarse droplets and low pressure to reduce drift.</p>	
				1.67 L/ha	80	0.5	2 broadcast apps	<p>Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.</p>	
Broadleaf, Grass, Perennial	Beloukha 500 EC	pelargonic acid	26	12-20 L/ha in at least 200 L/ha water	1	0.5	4 apps	<p>Crop Stage: Effective on labelled weeds <10 cm in height.</p> <p>Crop Safety: Use on woody/hardened trees greater than 2 years old. Use shielded/directed spray to avoid spraying desired vegetation.</p> <p>Recommendation: For hard to control weeds, higher rates or repeat applications may be required. For suckers, apply product to suckers before hardening/lignification. Use shielded equipment to avoid damage to trunks. Do not use on green trunks.</p>	