

TREE FRUIT GUIDE TO WEED MANAGEMENT

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 2026



Group	Active Ingredient	Herbicide	PCP #	Herbicide Type	Weed Type	Tree Fruit Crop Type	Preplant	Planting Year	Established > 1 year	Established > 3 years (bearing)	Status Update
1	quizalofop-p-ethyl	Assure II 96 EC	25462	Post-emergent	Grass	APPLE				Yes	
						CHERRY				Yes	
						PEACH				Yes	
						PEAR				Yes	
					PLUM				Yes		
1	clethodim	Centurion 240 EC	27598	Post-emergent	Grass	CHERRY				Yes	
1	clethodim	Select 240 EC	22625	Post-emergent	Grass	CHERRY				Yes	
1	sethoxydim	Poast Ultra 450 EC	24835	Post-emergent	Grass	APPLE		Yes	Yes	Yes	
						CHERRY				Yes	
						PEACH		Yes	Yes	Yes	
						PEAR				Yes	
					PLUM		Yes	Yes	Yes		
1	fluzifop-P-butyl + S-isomer	Venture L 125 EC	21209	Post-emergent	Grass	APPLE		Yes	Yes	Yes	
						CHERRY				Yes	
						PEACH				Yes	
						PEAR		Yes	Yes	Yes	
					PLUM				Yes		
2	rimsulfuron	Prism 25 SG	30057	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						CHERRY				Yes	Yes
						PEACH				Yes	Yes
						PEAR		Yes	Yes	Yes	
					PLUM				Yes		
2	halosulfuron, present as methyl ester	Sandea 73 WG	31209	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
3	trifluralin	Bonanza 480 LI	28289	Pre-emergent	Broadleaf,Grass	APPLE	Yes				
						CHERRY	Yes				
						PEACH	Yes				
						PEAR	Yes				
					PLUM	Yes					
3	propyzamide	Kerb 400 SC	30264	Pre-emergent	Grass	APPLE			Yes	Yes	
					PEAR				Yes	Yes	
3	pendimethalin	Prowl H2O 455 SC	29542	Pre-emergent	Broadleaf,Grass	APPLE		Yes	Yes	Yes	
						CHERRY		Yes	Yes	Yes	
						PEACH		Yes	Yes	Yes	
					PLUM		Yes	Yes	Yes		
3	trifluralin	Treflan 480 EC	23933	Pre-emergent	Broadleaf,Grass	APPLE	Yes				
						CHERRY	Yes				
						PEACH	Yes				
						PEAR	Yes				
					PLUM	Yes					
4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	5931, 14726, 17511, 26163	Post-emergent	Broadleaf	APPLE				Yes	

Phase-out: Last sale by retail October 9, 2026. Expiry date of registration and final use by October 9, 2027.

All Herbicides in the Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	PCP #	Herbicide Type	Weed Type	Tree Fruit Crop Type	Preplant	Planting Year	Established > 1 year	Established > 3 years (bearing)	Status Update
						CHERRY				Yes	
						PEACH				Yes	
						PEAR				Yes	
						PLUM				Yes	
4	clopyralid	Lontrel 360 LI	23545	Post-emergent	Broadleaf	APPLE		Yes	Yes	Yes	
						PEAR		Yes	Yes	Yes	
4	clopyralid	Lontrel XC 600 SN	32795	Post-emergent	Broadleaf	APPLE		Yes	Yes	Yes	
						PEAR		Yes	Yes	Yes	
5	metribuzin	Lexone 75 DF	15959	Pre-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR				Yes	
						PLUM				Yes	
5	simazine and related triazines	Princep Nine-T 90 WG	16370	Pre-emergent	Broadleaf,Grass	APPLE		Yes	Yes	Yes	
						PEACH		Yes	Yes	Yes	
						PEAR		Yes	Yes	Yes	
5	metribuzin	Sencor 75 DF WG	17242	Pre-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
5	simazine and related triazines	Simadex Simazine 500 F	15902	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						PEAR			Yes	Yes	
5	simazine and related triazines	Simazine 480 SN	23181	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						PEAR			Yes	Yes	
5	terbacil	Sinbar 80 WG	30082	Pre-emergent	Broadleaf,Grass	APPLE		Yes		Yes	
						CHERRY		Yes		Yes	
						PEACH		Yes		Yes	
						PLUM		Yes			
5	metribuzin	Squadron 75 WG	32081	Pre-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
5	metribuzin	TriCor 75 DF	30661	Pre-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
6	bentazon	Basagran 480 LI	12221	Post-emergent	Broadleaf	APPLE		Yes			

All Herbicides in the Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	PCP #	Herbicide Type	Weed Type	Tree Fruit Crop Type	Preplant	Planting Year	Established > 1 year	Established > 3 years (bearing)	Status Update
						CHERRY		Yes			
						PEACH		Yes			
						PEAR		Yes			
6	bentazon	Broadloom 480 SC	32661	Post-emergent	Broadleaf,Grass	APPLE		Yes			
						CHERRY		Yes			
						PEACH		Yes			
						PEAR		Yes			
9	glyphosate	Glyphosate 360 SC		Post-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
9	glyphosate	Glyphosate 480 SC		Post-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
9	glyphosate	Glyphosate 540 SC		Post-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
9	glyphosate	Roundup Transorb HC 540 LI	28198	Post-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
9	glyphosate	Roundup WeatherMAX 540 SN	27487	Post-emergent	Broadleaf,Grass	APPLE	Yes			Yes	
						CHERRY	Yes			Yes	
						PEACH	Yes			Yes	
						PEAR	Yes			Yes	
						PLUM	Yes			Yes	
10	glufosinate ammonium	Ignite 150 SN	28532	Post-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						CHERRY				Yes	
						PEACH				Yes	
						PEAR			Yes	Yes	
						PLUM				Yes	
14	carfentrazone-ethyl	Aim 240 EC	28573	Post-emergent	Broadleaf,Grass	APPLE				Yes	
						CHERRY				Yes	
						PEACH				Yes	

All Herbicides in the Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	PCP #	Herbicide Type	Weed Type	Tree Fruit Crop Type	Preplant	Planting Year	Established > 1 year	Established > 3 years (bearing)	Status Update
						PEAR				Yes	
						PLUM				Yes	
14	sulfentrazone	Authority 480 SC	29012	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
14	flumioxazin	Chateau EZ 480 SC	34036	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						CHERRY				Yes	
						PEACH				Yes	
						PEAR			Yes	Yes	
						PLUM				Yes	
15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	25729	Pre-emergent	Broadleaf,Grass	APPLE		Yes	Yes	Yes	
						CHERRY		Yes	Yes	Yes	
						PEACH		Yes	Yes	Yes	
						PEAR		Yes	Yes	Yes	
						PLUM		Yes	Yes	Yes	
20	dichlobenil	Casoron G-4	12533	Pre-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						CHERRY			Yes	Yes	
						PEACH			Yes	Yes	
						PEAR			Yes	Yes	
						PLUM			Yes	Yes	
22	diquat ion	Reglone Dessicant 240 SN	26396	Post-emergent	Broadleaf,Grass	APPLE		Yes	Yes	Yes	
26	pelargonic acid	Beloukha 500 EC	33685	Post-emergent	Broadleaf,Grass	APPLE				Yes	
						CHERRY				Yes	
						PEACH				Yes	
						PEAR				Yes	
						PLUM				Yes	
29	indaziflam	Alion 200 SC	30451	Pre-emergent	Broadleaf,Grass	APPLE				Yes	
						CHERRY				Yes	
						PEACH				Yes	
						PEAR				Yes	
						PLUM				Yes	
-	acetic acid	Serene 20 LI	30248	Post-emergent	Broadleaf,Grass	APPLE			Yes	Yes	
						CHERRY			Yes	Yes	
						PEACH			Yes	Yes	
						PEAR			Yes	Yes	
						PLUM			Yes	Yes	

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
APPLE								
-	acetic acid	Serene 20 LI	1 L of product for 2.25 to 3 L of water	-	0.5	-	-	May be an organic option. 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. Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds. Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.
1	fluzifop-P-butyl + S-isomer	Venture L 125 EC	0.6 – 2.0 L/ha	-	0.5	1 app	-	Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled. 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. 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.
	quizalofop-p-ethyl	Assure II 96 EC	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5	-	-	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.
	sethoxydim	Poast Ultra 450 EC	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.
2	halosulfuron, present as methyl ester	Sandea 73 WG	35 – 70 g/ha	14	0.5	2 apps, 140 g/ha	21	Recommendation: Apply as a single or sequential application. If applying twice, apply first application at 3–5-leaf stage. 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.
	rimsulfuron	Prism 25 SG	60 g/ha in 200 L of water/ha	7	0.5	1 app	-	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.
3	pendimethalin	Prowl H2O 455 SC	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.
	propyzamide	Kerb 400 SC	5.6 L/ha	-	1	-	-	Crop Stage: Apply from late September to early November to trees established for one year or more. Recommendation: Best results obtained when soil temperatures are low but above freezing and soil moisture is high.
	trifluralin	Bonanza 480 LI	1.25 – 2.3 L/ha in 100L/ha water	-	0.5	1 app	-	Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds. Coverage: Use higher rates on clay soils.
	trifluralin	Treflan 480 EC	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.
4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	1.67 L/ha	80	0.5	2 broadcast apps	-	Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.
	clopyralid	Lontrel 360 LI	0.56 L/ha	30	0.5	1 app	-	Crop Stage: For control of vetch at early flower stage and other labelled weeds. Coverage: Apply as spot treatment. Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.
	clopyralid	Lontrel XC 600 SN	0.34 L/ha	30	0.5	1 app	-	Crop Stage: For control of vetch at early flower stage and other labelled weeds. Coverage: Apply as spot treatment. Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
5	metribuzin	Lexone 75 DF	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.
	metribuzin	Sencor 75 DF WG	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.
	metribuzin	Squadron 75 WG	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.
	metribuzin	TriCor 75 DF	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.
	simazine and related triazines	Princep Nine-T 90 WG	1.1 – 5.0 kg/ha	-	0.5	-	-	Crop Stage: If weeds have emerged, burn down or cultivate before application. 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. 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.
	simazine and related triazines	Simadex Simazine 500 F	4.5 – 9.0 L/ha in 300 L/ha water	-	0.5	-	-	Crop Safety: Apply to trees planted one year or longer. Avoid contact with the bark and foliage. Recommendation: User higher rate for perennial weeds such as quackgrass.
	simazine and related triazines	Simazine 480 SN	4.7 – 9.4 L/ha in 300 L of water/ha	-	0.5	-	-	Crop Stage: Prior to weed emergence in the spring. If weeds have emerged, hoe or cultivate prior to treatment.
6	terbacil	Sinbar 80 WG	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.
	bentazon	Basagran 480 LI	1.75 – 2.25 L/ha in 100-400 L/ha water	nonbearing	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.
	bentazon	Broadloom 480 SC	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.
9	glyphosate	Glyphosate 360 SC	2.25 – 12 L/ha	30	0.5	3 apps	-	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.
	glyphosate	Glyphosate 480 SC	1.69 – 9 L/ha	30	0.5	3 apps	-	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.

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	glyphosate	Glyphosate 540 SC	1.5 – 8 L/ha	30	0.5	3 apps	-	<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	Roundup Transorb HC 540 LI	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5	3 apps	-	<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	Roundup WeatherMAX 540 SN	1.5-8 L/ha	30	0.5	3 apps	-	<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>
10	glufosinate ammonium	Ignite 150 SN	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>
14	carfentrazone-ethyl	Aim 240 EC	Weeds: 37 to 117 mL/ha. Suckers: 150 mL/ha	30	0.5	2 apps, 300 mL	14	<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>
	flumioxazin	Chateau 51 WDG	298 – 448 mL/ha	60	0.5	2 apps	30	<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>
	sulfentrazone	Authority 480 SC	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>

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	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.
20	dichlobenil	Casoron G-4	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.
22	diquat ion	Reglone Dessicant 240 SN	4.6 L/ha	-	1	-	-	Recommendation: Perennial grass suppression under apple trees.
26	pelargonic acid	Beloukha 500 EC	12-20 L/ha in at least 200 L/ha water	1	0.5	8 apps	7	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.
29	indaziflam	Alion 200 SC	0.375 L/ha	14	0.5	1 app	365	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. 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. 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.
CHERRY								
-	acetic acid	Serene 20 LI	1 L of product for 2.25 to 3 L of water	-	0.5	-	-	May be an organic option. 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. Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds. Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.
1	clethodim	Centurion 240 EC	0.19 – 0.38 L/ha	14	0.5	1 app	-	Established cherry ONLY. 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.
	clethodim	Select 240 EC	0.19 – 0.38 L/ha	14	0.5	-	-	Established cherry ONLY. 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.
	fluzifop-P-butyl + S-isomer	Venture L 125 EC	0.6 – 2.0 L/ha	-	0.5	1 app	-	Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled. 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. 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.
	quizalofop-p-ethyl	Assure II 96 EC	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5	-	-	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.

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	sethoxydim	Poast Ultra 450 EC	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.
2	rimsulfuron	Prism 25 SG	60 g/ha in 200 L of water/ha	14	0.5	1 app	-	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.
3	pendimethalin	Prowl H2O 455 SC	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.
	trifluralin	Bonanza 480 LI	1.25 – 2.3 L/ha in 100L/ha water	-	0.5	1 app	-	Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds. Coverage: Use higher rates on clay soils.
	trifluralin	Treflan 480 EC	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.
4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	1.67 L/ha	80	0.5	2 broadcast apps	-	Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.
5	metribuzin	Lexone 75 DF	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.
	metribuzin	Sencor 75 DF WG	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.
	metribuzin	Squadron 75 WG	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.
	metribuzin	TriCor 75 DF	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.
	terbacil	Sinbar 80 WG	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.
6	bentazon	Basagran 480 LI	1.75 – 2.25 L/ha in 100-400 L/ha water	nonbearing	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.
	bentazon	Broadloom 480 SC	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.
9	glyphosate	Glyphosate 360 SC	2.25 – 12 L/ha	30	0.5	3 apps	-	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.

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	glyphosate	Glyphosate 480 SC	1.69 – 9 L/ha	30	0.5	3 apps	-	<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	Glyphosate 540 SC	1.5 – 8 L/ha	30	0.5	3 apps	-	<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	Roundup Transorb HC 540 LI	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5	3 apps	-	<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	Roundup WeatherMAX 540 SN	1.5-8 L/ha	30	0.5	3 apps	-	<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>
10	glufosinate ammonium	Ignite 150 SN	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>
14	carfentrazone-ethyl	Aim 240 EC	Weeds: 37 to 117 mL/ha. Suckers: 150 mL/ha	30	0.5	2 apps, 300 mL	14	<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>
	flumioxazin	Chateau 51 WDG	298 – 448 mL/ha	60	0.5	2 apps	30	<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>

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	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.
20	dichlobenil	Casoron G-4	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.
26	pelargonic acid	Beloukha 500 EC	12-20 L/ha in at least 200 L/ha water	1	0.5	8 apps	7	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.
29	indaziflam	Alion 200 SC	0.375 L/ha	14	0.5	1 app	365	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. 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. 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.
PEACH								
-	acetic acid	Serene 20 LI	1 L of product for 2.25 to 3 L of water	-	0.5	-	-	May be an organic option. 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. Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds. Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.
1	fluzafop-P-butyl + S-isomer	Venture L 125 EC	0.6 – 2.0 L/ha	-	0.5	1 app	-	Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled. 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. 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.
	quizalofop-p-ethyl	Assure II 96 EC	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5	-	-	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.
	sethoxydim	Poast Ultra 450 EC	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.
2	rimsulfuron	Prism 25 SG	60 g/ha in 200 L of water/ha	14	0.5	1 app	-	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.

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
3	pendimethalin	Prowl H2O 455 SC	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.
	trifluralin	Bonanza 480 LI	1.25 – 2.3 L/ha in 100L/ha water	-	0.5	1 app	-	Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds. Coverage: Use higher rates on clay soils.
	trifluralin	Treflan 480 EC	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.
4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	1.67 L/ha	80	0.5	2 broadcast apps	-	Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.
5	metribuzin	Lexone 75 DF	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.
	metribuzin	Sencor 75 DF WG	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.
	metribuzin	Squadron 75 WG	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.
	metribuzin	TriCor 75 DF	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.
	simazine and related triazines	Princep Nine-T 90 WG	1.1 – 5.0 kg/ha	-	0.5	-	-	Crop Stage: If weeds have emerged, burn down or cultivate before application. 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. 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.
	terbacil	Sinbar 80 WG	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.
6	bentazon	Basagran 480 LI	1.75 – 2.25 L/ha in 100-400 L/ha water	nonbearing	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.
	bentazon	Broadloom 480 SC	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.
9	glyphosate	Glyphosate 360 SC	2.25 – 12 L/ha	30	0.5	3 apps	-	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.

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	glyphosate	Glyphosate 480 SC	1.69 – 9 L/ha	30	0.5	3 apps	-	<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	Glyphosate 540 SC	1.5 – 8 L/ha	30	0.5	3 apps	-	<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	Roundup Transorb HC 540 LI	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5	3 apps	-	<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	Roundup WeatherMAX 540 SN	1.5-8 L/ha	30	0.5	3 apps	-	<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>
10	glufosinate ammonium	Ignite 150 SN	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>
14	carfentrazone-ethyl	Aim 240 EC	Weeds: 37 to 117 mL/ha. Suckers: 150 mL/ha	30	0.5	2 apps, 300 mL	14	<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>
	flumioxazin	Chateau 51 WDG	298 – 448 mL/ha	60	0.5	2 apps	30	<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>

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	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.
20	dichlobenil	Casoron G-4	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.
26	pelargonic acid	Beloukha 500 EC	12-20 L/ha in at least 200 L/ha water	1	0.5	8 apps	7	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.
29	indaziflam	Alion 200 SC	0.375 L/ha	14	0.5	1 app	365	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. 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. 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.
PEAR								
-	acetic acid	Serene 20 LI	1 L of product for 2.25 to 3 L of water	-	0.5	-	-	May be an organic option. 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. Crop Stage: Best results are achieved from spring and early summer applications to actively growing young weeds. Recommendation: Apply on mostly sunny days with temperatures at or above 21C. Rainfall within 1 hour of application will reduce degree of control.
1	fluzifop-P-butyl + S-isomer	Venture L 125 EC	0.6 – 2.0 L/ha	-	0.5	1 app	-	Crop Stage: Apply at the 2-5 leaf stage of development. Grasses emerging after the treatment will not be controlled. 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. 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.
	quizalofop-p-ethyl	Assure II 96 EC	0.38 L/ha - 0.75 L/ha in at least 100 L/ha water	14	0.5	-	-	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.
	sethoxydim	Poast Ultra 450 EC	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.
2	rimsulfuron	Prism 25 SG	60 g/ha in 200 L of water/ha	7	0.5	1 app	-	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.
3	propyzamide	Kerb 400 SC	5.6 L/ha	-	1	-	-	Crop Stage: Apply from late September to early November to trees established for one year or more. Recommendation: Best results obtained when soil temperatures are low but above freezing and soil moisture is high.

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	trifluralin	Bonanza 480 LI	1.25 – 2.3 L/ha in 100L/ha water	-	0.5	1 app	-	Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds. Coverage: Use higher rates on clay soils.
	trifluralin	Treflan 480 EC	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.
4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	1.67 L/ha	80	0.5	2 broadcast apps	-	Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.
	clopyralid	Lontrel 360 LI	0.56 L/ha	30	0.5	1 app	-	Crop Stage: For control of vetch at early flower stage and other labelled weeds. Coverage: Apply as spot treatment. Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.
	clopyralid	Lontrel XC 600 SN	0.34 L/ha	30	0.5	1 app	-	Crop Stage: For control of vetch at early flower stage and other labelled weeds. Coverage: Apply as spot treatment. Recommendation: Avoid contact with tree limbs. Great post-emergent for vetch, clovers, and sheep sorrel.
5	metribuzin	Lexone 75 DF	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.
	metribuzin	Sencor 75 DF WG	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.
	metribuzin	Squadron 75 WG	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.
	metribuzin	TriCor 75 DF	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.
	simazine and related triazines	Princep Nine-T 90 WG	1.1 – 5.0 kg/ha	-	0.5	-	-	Crop Stage: If weeds have emerged, burn down or cultivate before application. 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. 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.
	simazine and related triazines	Simadex Simazine 500 F	4.5 – 9.0 L/ha in 300 L/ha water	-	0.5	-	-	Crop Safety: Apply to trees planted one year or longer. Avoid contact with the bark and foliage. Recommendation: User higher rate for perennial weeds such as quackgrass.
	simazine and related triazines	Simazine 480 SN	4.7 – 9.4 L/ha in 300 L of water/ha	-	0.5	-	-	Crop Stage: Prior to weed emergence in the spring. If weeds have emerged, hoe or cultivate prior to treatment.
6	bentazon	Basagran 480 LI	1.75 – 2.25 L/ha in 100-400 L/ha water	nonbearing	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.
	bentazon	Broadloom 480 SC	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.

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
9	glyphosate	Glyphosate 360 SC	2.25 – 12 L/ha	30	0.5	3 apps	-	<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	Glyphosate 480 SC	1.69 – 9 L/ha	30	0.5	3 apps	-	<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	Glyphosate 540 SC	1.5 – 8 L/ha	30	0.5	3 apps	-	<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	Roundup Transorb HC 540 LI	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5	3 apps	-	<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	Roundup WeatherMAX 540 SN	1.5-8 L/ha	30	0.5	3 apps	-	<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>
10	glufosinate ammonium	Ignite 150 SN	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>
14	carfentrazone-ethyl	Aim 240 EC	Weeds: 37 to 117 mL/ha. Suckers: 150 mL/ha	30	0.5	2 apps, 300 mL	14	<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>

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	flumioxazin	Chateau 51 WDG	298 – 448 mL/ha	60	0.5	2 apps	30	<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>
15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	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>
20	dichlobenil	Casoron G-4	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>
26	pelargonic acid	Beloukha 500 EC	12-20 L/ha in at least 200 L/ha water	1	0.5	8 apps	7	<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>
29	indaziflam	Alion 200 SC	0.375 L/ha	14	0.5	1 app	365	<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>
PLUM								
-	acetic acid	Serene 20 LI	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>
1	fluzifop-P-butyl + S-isomer	Venture L 125 EC	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.</p> <p>WARNING: Women capable of bearing children should be particularly careful when handling this product.</p>
	quizalofop-p-ethyl	Assure II 96 EC	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>

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	sethoxydim	Poast Ultra 450 EC	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.
2	rimsulfuron	Prism 25 SG	60 g/ha in 200 L of water/ha	14	0.5	1 app	-	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.
3	pendimethalin	Prowl H2O 455 SC	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.
	trifluralin	Bonanza 480 LI	1.25 – 2.3 L/ha in 100L/ha water	-	0.5	1 app	-	Crop Stage: Apply and incorporate before planting to control most annual grasses and many broadleaf weeds. Coverage: Use higher rates on clay soils.
	trifluralin	Treflan 480 EC	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.
4	2,4-D, present as dimethylamine salt	2,4-D Amine 600 LI	1.67 L/ha	80	0.5	2 broadcast apps	-	Crop Stage: Apply in early spring after weed emergence or in the fall once harvest is complete and when weeds are actively growing.
5	metribuzin	Lexone 75 DF	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.
	metribuzin	Sencor 75 DF WG	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.
	metribuzin	Squadron 75 WG	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.
	metribuzin	TriCor 75 DF	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.
	terbacil	Sinbar 80 WG	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.
9	glyphosate	Glyphosate 360 SC	2.25 – 12 L/ha	30	0.5	3 apps	-	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.
	glyphosate	Glyphosate 480 SC	1.69 – 9 L/ha	30	0.5	3 apps	-	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.

Tree Fruit Weed Management Guide 2026



Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
	glyphosate	Glyphosate 540 SC	1.5 – 8 L/ha	30	0.5	3 apps	-	<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	Roundup Transorb HC 540 LI	2.25 – 12 L/ha in 200-300 L/ha of water	30	0.5	3 apps	-	<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	Roundup WeatherMAX 540 SN	1.5-8 L/ha	30	0.5	3 apps	-	<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>
10	glufosinate ammonium	Ignite 150 SN	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>
	glufosinate ammonium	Ignite 150 SN	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>
14	carfentrazone-ethyl	Aim 240 EC	Weeds: 37 to 117 mL/ha. Suckers: 150 mL/ha	30	0.5	2 apps, 300 mL	14	<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>
	flumioxazin	Chateau 51 WDG	298 – 448 mL/ha	60	0.5	2 apps	30	<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>

Group	Active Ingredient	Herbicide	Rate	PHI (days)	REI (days)	Product Maximum	Restricted Reapplication (days)	Notes / Restrictions / Warnings
15	S-metolachlor + R-enantiomer	Dual II Magnum 915 EC	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>
20	dichlobenil	Casoron G-4	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>
26	pelargonic acid	Beloukha 500 EC	12-20 L/ha in at least 200 L/ha water	1	0.5	8 apps	7	<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>
29	indaziflam	Alion 200 SC	0.375 L/ha	14	0.5	1 app	365	<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>