# 17 Weed Control Guidelines

# 17.1 Apples

Table 17.1.1. Weed control guidelines for APPLES.

Annual grasses and broadleaf weeds

simazine

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs
Year of Planting				
Annual grasses and br	oadleaf weeds			
Apply as soon as soil ha	s settled and no cracks are present	•		
	oxyfluorfen	1.6-2.0		
	(Goal 2XL, Galigan 2E)		3-4 qt	24
Oxyfluorfen application	s limited to dormant trees (before	buds on trees begin to	grow).	
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl H2O)		2-4 qt	24
or	oryzalin	3.0-6.0		
	(Surflan AS)		2-4 qt	24
Additional measures magrasses and weeds.	y be needed to control later emerg	ging weeds. Add *para	aquat to help control establishe	d perennial
	*paraquat	0.63-1.0		
	(*Gramoxone Max)		1.7-2.7 pt	12
	s as needed. Avoid contact of *pa RKER SAFETY CAUTIONS.	raquat with foliage or	trunks of trees.	
	Chateau (flumioxazin)		6-12 oz	12
Protect trees from spray	contact by non-porous wraps, gro	w tubes, or waxed con	tainers.	
	glyphosate	1.0-3.0		
	(Roundup, etc.)		1-4 qt	12
Apply to emerged weed	s as needed. Avoid contact of glyp	hosate with foliage, br	ranches, suckers or trunks of tr	ees.
	carfentrazone-ethyl	0.03		
	(Aim EW,EC)		1.9 oz	12
Apply in tank mix with oliage.	paraquat or glyphosate for broadle	af and grass control, b	out avoid contact with green ba	rk and
Annual or perennial g	rasses			
	fluazifop	0.25-0.375		12
	(Fusilade DX)		1-1.5 pt	
	when grass is 2-8 in tall. Repeat in tall. NONBEARING TREES ONL		rowth is 10 in tall. Add surfact	ant or crop-
oil concentrate (see labe		0.00.0.4=		
oil concentrate (see labe	sethoxydim	0.28-0.47		
oil concentrate (see labe	sethoxydim (Poast)	0.28-0.47	1.5-2.5 pt	12
· ·	· ·		•	
Apply to actively growi	(Poast)	ad formation. Use wit	•	
Apply to actively growi	(Poast) ng grass before tillering or seedhea Prchard for at Least One Full Ye	ad formation. Use wit	•	

1.0-2.0

Table 17.1.1. Weed control guidelines for APPLES.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and broa	ndleaf weeds (continued)			
	(Simazine 90DF)		1.1-2.2 lb	
	(Caliber 90)		1.125-2.25 lb	
	(Princep 4L)		1-2 qt	12
	(Princep 90 WG)		2.2-4.4 lb	
plus	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
	Rimsulfuron		4 oz	
(	Matrix 25 DF use in tank mix with other herbicides)			
	weeds emerge. See soil-texture yeeds. Addition of napropamide ol.			

or1.0-2.0 simazine (Simazine 90DF) 1.1-2.2 lb 1.125-2.25 lb (Caliber 90) (Princep 4L) 1-2 qt 12 diuron 1.0 - 2.0plus (Karmex 80DF, Diuron 80DF) 1.25-2.5 lb 12

Apply early spring before weeds emerge. See labels for soil-texture rate limitations for simazine and diuron. Add \*paraquat to help control established weeds. Additions of napropamide or oryzalin have improved late-season annual grass and broadleaf weed control.

or				
	diuron	1.0-2.0		
	(Karmex 80DF)		1.25-2.5 lb	12
plus	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12

Apply early spring before weeds emerge. See soil-texture rate limitations for diuron and norflurazon. Add \*paraquat to help control established weeds. Additions of napropamide, pendimethalin, or oryzalin have improved late-season annual grass and broadleaf weed control.

dichlobenil 4.0-6.0 (Casoron 4G) 100-150 lb 12 (E)

November to March when soil temp is below 45°. Controls many annual and perennial grasses and weeds.

Chateau (flumioxazin) 6.0-12.0 12

Chateau should be tank mixed with labeled burndown herbicide (glyphosate, paraquat, 2,4-D, Rely 200) for control of emerged weeds. May be tank mixed with Surflan, simazine or diuron for additional residual weed control. Use 6.0 oz. rate on sandy soils and/or where trees are less than three years old.

# **Established perennial grasses**

\*pronamide 2.0-4.0

(\*Kerb 50WP) 4.0-8.0 lb 24

Apply late fall before soil freezes. Spring-planted trees must be established at least 6 mo; fall-planted trees at least 1 yr. Use other materials for broadleafs and late-summer annual grasses.

Table 17.1.1. Weed control guidelines for APPLES.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
<b>Broadleaf weeds</b>				
	2,4-D	1.4		
	(*Weedar 64; *Unison; *2,4-D Amine)		3 pt	48
Trees Established in	Orchard at Least Two Full Years			
Materials as listed for	younger trees			
or				
Annual grasses and	broadleaf weeds			
	diuron	0.8-1.6		
	(Karmex 80DF)		1.0-2.0 lb	12
plus	terbacil	0.8-1.6		
	(Sinbar 80WP)		1.0-2.0 lb	12
	simazine	1.6-2.0		
	(Simazine 90DF)		1.8-2.2 lb	
	(Caliber 90)		1.75-2.25 lb	
	(Princep 4L)		1.6-2.0 qt	12
plus	terbacil	0.8-1.6		
	(Sinbar 80WP)		1.0-2.0 lb	12

Apply early spring before weeds emerge. See label for soil-texture rate limitations for diuron, simazine, and terbacil. Add \*paraquat if emerged weeds are present. Second \*paraquat application may be needed.

Trees Established in Orcl	hard at Least Three Full Yea	rs			
Materials as listed for your	nger trees				
or					
Annual grasses and broadleaf weeds					
	diuron	2.0-2.4			
	(Karmex 80DF)		2.5-3.0 lb	12	
plus	simazine	2.0-2.4			
	(Simazine 90DF)		2.25-2.66 lb		
	(Caliber 90)		2.25-2.66 lb		
	(Princep 4L)		2-2.4 qt	12	

Apply late fall or early spring before weeds emerge. See label for soil-texture rate limitations for simazine and terbacil. Add \*paraquat to help control established weeds.

or				
	simazine	2.0-2.4		
	(Simazine 90DF)		2.25-2.66 lb	
	(Caliber 90)		2.25-2.66 lb	
	(Princep 4L)		2-2.4 qt	12
plus	terbacil	2.0-2.4		
	(Sinbar 80WP)		0.6-1.2 lb lb	12

Apply late fall or early spring before weeds emerge. See label for soil-texture rate limitations for simazine and terbacil. Add \*paraquat to help control established weeds.

Table 17.1.1. Weed control guidelines for APPLES.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Established Orchard	ls			
Established perennia	lls, woody brush and vines			
	glyphosate	2.0-4.0		
	(Roundup/Roundup WeatherMax,	Touchdown)	2-3 qt	12/4
Best timing varies wit 3 yr old.	h weed type. See label. Avoid contact of	f glyphosate with	foliage, branches or trunks of t	rees less than
or	*Weedar 64; *2,4-D Amine; *Unison	2-3 pt		48
plus	glyphosate	2.0-3.0		
	(Roundup, etc.)		2-3 qt	12

<sup>\*</sup>Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator. Refer to inside back cover for key to abbreviations and footnotes.

# **17.2 Pears**

Table 17.2.1. Weed control guidelines for PEARS.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Year of Planting				
Annual grasses and bro	oadleaf weeds			
Apply as soon as soil has	s settled and no cracks are present.			
	oxyfluorfen	1.2-2.0		
	(Goal 2XL)		2.4-4 qt	24
Oxyfluorfen applications	s limited to dormant trees (before b	uds on trees begin to	grow).	
plus either	napropamide	4.0		
	(Devrinol DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4-8 qt	24
or	oryzalin	3.0-6.0		
	(Surflan AS)		3-6 qt	24
Add *paraquat to help co	ontrol established perennial grasses	and weeds.		
	Chateau (flumioxazin)		6.0	12
Protect trees from spray	contact by non-porous wraps, grow	tubes, or waxed con	tainers.	
	*paraquat	0.63-1.0		
	(*Gramaxone Max)		1.7-2.7 pt	12
Apply to emerged weeds as needed. Avoid contact of *paraquat with foliage or trunks of trees. SEE LABEL FOR WORKER SAFETY CAUTIONS.				
	glyphosate	1.0-3.0		
	(Roundup, etc.)		1-3 qt	12
Apply to emerged weeds	s as needed. Avoid contact of glyph	nosate with foliage, b	ranches, suckers or trunks of tr	ees.

Table 17.2.1. Weed control guidelines for PEARS.

		Active Ingredient		
<b>Weeds Controlled</b>	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and broa	dleaf weeds (continued)			
	carfentrazone-ethyl	0.03		
	(Aim EW, EC)		1.9 oz	12
Apply in tank mix with pa foliage.	raquat or glyphosate for broad	leaf and grass control, but	t avoid contact with green bar	rk and
Annual or perennial gra	sses			
	fluazifop	0.25-0.375		
	(Fusilade DX)		1-1.5 pt	12
	n. tall. Repeat in 2-3 wk or befentrate (see label). NONBEA		ll. Apply as separate spray.	Add
	sethoxydim	0.28-0.47		
	(Poast)		1.5-2.0 pt	12
Apply to actively growing	grass before tillering or seedh	ead formation. Use with	crop-oil concentrate (see labe	el).

# Trees Established in Orchard at Least One Full Year

Materials as listed for year of planting

or

Annual grasses and broadleaf weeds

	simazine	1.0-2.0		
	(Simazine 90DF)		1.1-2.2 lb	12
	(Caliber 90)		1.125-2.25 lb	12
	(Princep 4L)		1-2 qt	12
plus	norflurazon	2.0-2.4		
	(Solicam 80D)		2.5-3.0 lb	12

Apply early spring before weeds emerge. See soil-texture rate limitations for simazine and norflurazon. Add \*paraquat to help control established weeds. Additions of napropamide, pendimethalin, or oryzalin have improved late-season annual grass & broadleaf weed control.

or1.0-2.0 simazine (Simazine 90DF) 1.1-2.2 lb 12 1.125-2.25 lb (Caliber 90) 12 (Princep 4L) 1-2 qt 12 1.0-2.0 plus diuron 1.25-2.5 lb (Karmex 80DF) 12 rimsulofuron 4 oz

(Matrix 25 DF use in tank mix with other herbicides)

Apply early spring before weeds emerge. See labels for soil-texture rate limitations. Add \*paraquat to help control established weeds. Additions of napropamide, pendimethalin, or oryzalin have improved late-season annual grass & broadleaf control.

Table 17.2.1. Weed control guidelines for PEARS.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Trees Established in Oro	chard at Least One Full Year	(continued)		
or				
	diuron	1.0-2.0		
	(Karmex 80DF)		1.25-2.5 lb	12
plus	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
	established weeds. Additions of		ons for diuron and norflurazon ethalin, or oryzalin have improv	
or				
	dichlobenil	4.0-6.0		
	(Casoron 4G)		100-150 lb	12(E)
November to March when	soil temp is below 45°F. Cont	trols many annual and p	•	
	Chateau (flumioxazin)		6.0-12.0	12
emerged weeds. May be to on sandy soils and/or whe	ank mixed with Surflan, simazi re trees are less than three year	ne or diuron for additio	raquat, 2,4-D, Rely 200) for connal residual weed control. Use ears after bloom.	
Established perennial gr		2010		
	*pronamide	2.0-4.0	4.0.0.0.11	
	(*Kerb 50WP)		4.0-8.0 lb	24
	freezes. Use other materials for	r broadleafs.		
Broadleaf weeds				
	2,4-D	1.4		
`	Weedar 64; *Unison; *2,4-D A	, , , , , , , , , , , , , , , , , , ,	3 pt	48
	chard at Least Three Full Yea	ars		
Materials as listed for you	nger trees			
or				
Annual grasses and broa				
	diuron	2.0-2.4		
	(Karmex 80DF)		2.5-3.0 lb	12
plus	simazine	2.0-2.4		
	(Simazine 90DF)		2.2-2.7 lb	12
	(Caliber 90)		2.2-2.7 lb	12
	(Princep 4L)		2-2.4 qt	12
Apply late fall or early spi *paraquat to help control	ring before weeds emerge. See	labels for soil-texture ra	ate limitations for simazine and	

Established Orchards					
Established perennials, woody brush and vines					
glyphosate	2.0-4.0				
(Roundup, Touchdown)		2-3 qt	12		
Best timing varies with weed type. See label. Avoid contact of 3 yr old.	glyphosate with fol	iage, branches or trunks of t	rees less than		

Table 17.2.1. Weed control guidelines for PEARS.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Established Orchards (co	ontinued)			
*W	/eedar 64; *2,4-D Amine; *Un	ison	2-3 pt	48
plus	glyphosate	2.0-3.0		
	(Roundup, etc.)	2-3 qt		

<sup>\*</sup>Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified  $applicator. \ Refer to inside \ back \ cover for \ key \ to \ abbreviations \ and \ footnotes.$ 

# 17.3 Cherries

Table 17.3.1. Weed control guidelines for CHERRIES.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Year of Planting				
Annual grasses and br	roadleaf weeds			
Apply as soon as soil h	as settled and no cracks are present.			
	oxyfluorfen	1.2-2.0		
	(Goal 2XL)			
Oxyfluorfen application	ns limited to dormant trees (apply be	fore buds begin to gr	ow).	
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-6.0		
	(Surflan AS)		3-6 qt	24
	Chateau (flumioxazin)		6.0	12
Protect trees from spray	contact by non-porous wraps, grow	tubes, or waxed con	tainers.	
	*paraquat	0.63-1.0		
	(*Gramaxone Max)		1.7-2.7 pt	12
Apply *paraquat to emo	erged weeds as needed. Avoid contact	ct with foliage or tru	nks of trees. SEE LABEL FOR	R WORKER
	carfentrazone-ethyl	0.03		
	(Aim EW, EC)		1.9 oz	12
Apply in tank mix with	paraquat for broadleaf and grass con	ntrol, but avoid conta	ct with green bark and foliage.	
Annual and perennial	grasses			
	fluazifop	0.25-0.375		
	(Fusilade DX)		1-1.5 pt	12
Apply fluazifop when glabel directions.	grasses are 2-8 in tall. Repeat before	regrowth is 10 in tall	. Use surfactant or crop oil according	ording to

Table 17.3.1. Weed control guidelines for CHERRIES.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Annual and perennial	grasses (continued)			
	sethoxydim	0.28-0.47		
	(Poast)		1.5-2.0 pt	12
Apply sethoxydim to a label directions. Apply	ctively growing grasses before tilleri as a separate spray.	ng or seedhead forma	ation. Use surfactant or crop oil	according t
Established perennial	grasses			
	*pronamide	2.0-4.0		
	(*Kerb 50WP)		4-8 lb	24
Late fall but before soil least 1 yr. Effective on	l freeze-up (November). Spring-plar quackgrass.	nted trees must be esta	ablished at least 6 mo., fall-pla	nted trees at
Annual and perennial	grasses and broadleaf weeds			
	dichlobenil	4.0-6.0		
	(Casoron 4G)		100-150 lb	12(E)
Apply Nov. to Mar. wh	nen soil temp is below 45°F. Do not a	apply within 4 mo after	er planting.	
Гrees Established in (	Orchard at Least One Full Year			
Materials as listed for y	year of planting			
or				
Annual grasses and b	roadleaf weeds			
	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC)		4.8 qt	24
or	oryzalin	3.0-4.0		
	(Surflan AS)		3-4 qt	24
or	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
plus	simazine	1.0-2.0		
•	(Simazine 90DF)		1.1-2.2 lb	12
	(Caliber 90)		1.125-2.25 lb	12
	(Princep 4L)		1-2 qt	12
plus either	napropamide	4.0	<b>.</b>	
•	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-6.0	·	
· ·	(Surflan AS)		3-4 qt	24

Table 17.3.1. Weed control guidelines for CHERRIES.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and	broadleaf weeds (continued)			
	Chateau (flumioxazin)		6.0-12.0	12
	rimsulfuron			
	(Matrix 25 DF use in tank mix with other herbicides)		4 oz	
emerged weeds. May	hk mixed with labeled burndown herb be tank mixed with Surflan, simazin where trees are less than three years	e or diuron for addition		

#### Dandelion and other broadleaf weeds in sod cover

2,4-D 1.4 (\*2,4-D Amine) 3.0 pt 48 (\*Weedar 64; \*Unison) 3.0 pt 48

Apply in the fall (best) or early spring BEFORE TREES OR DANDELIONS BEGIN TO BLOOM. Yearly application is needed to control dandelions. Avoid contact with fruit, foliage, stems, or limbs of trees. (Unison not a vaporizer)

Newly Planted or Established Orchards				
Annual grasses and broadleaved weeds, perennial weeds, woody brush and vines				
	glyphosate	1.0-4.0		
	(Roundup, etc.)		1.0-4.0 qt	12
or	2 % solution for spot treatment		2 qt/25 gal	
Rest timing varies with	weed type: see label for specific directions	Avoid contact with	h foliage branches or tru	nks of trees

Best timing varies with weed type; see label for specific directions. Avoid contact with foliage, branches, or trunks of trees less than 3 yr old. Does not provide residual weed control. See labels for tank-mix combinations.

# Established perennial broadleaf weeds

\*Clopyralid 0.12-0.24

(\*Stinger) 1/3-2/3 pt 12

Apply for post-emergence control of specific problem weeds such as Canada thistle, clover, vetch, dandelion, in row and row middles. Not to exceed 2/3 pt/A/year.

#### 17.4 Peaches

Table 17.4.1. Weed control guidelines for PEACHES.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Year of Planting				
Annual grasses and broadl	leaf weeds			
Apply as soon as soil has set	tled and no cracks are presented	ent		
	oxyfluorfen	1.2-2.0		
	(Goal 2XL)		2.4-4 qt	24
Oxyfluorfen applications lin	nited to dormant trees (befo	re buds on trees begin to gr	row)	
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12

<sup>\*</sup>Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator. Refer to inside back cover for key to abbreviations and footnotes.

Table 17.4.1. Weed control guidelines for PEACHES.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and b	roadleaf weeds (continued)			
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-6.0		
	*Surflan AS)		3-6 qt	24
	*paraquat	0.63-1.0		
	(*Gramaxone Inteon)		1.7-2.7 pt	
Apply to emerged weed WORKER SAFETY C.	ds as needed. Avoid contact of *paraAUTIONS.	aquat with foliage or	trunks of trees. SEE LABEL F	OR
	carfentrazone-ethyl	0.03		
	(Aim EW, EC)		1.9 oz	12
Apply in tank mix with	paraquat for broadleaf and grass co	ntrol, but avoid conta	ct with green bark and foliage.	
	Chateau (flumioxazin)		6.0 12	
Protect trees from spray	y contact by non-porous wraps, grow	v tubes, or waxed con	tainers.	
Annual and perennial	grasses			
	fluazifop	0.25-0.375		
	(Fusilade DX)		1-1.5 pt	12
Grasses 2-8 in tall. Rep	eat before regrowth is 10 in tall. Use	e surfactant or crop of	il according to label directions.	
	sethoxydim	0.28-0.47		
	(Poast)		1.5-2.0 pt	12
		and formation Hangu	urfactant or crop oil according t	to lobal
Apply to actively grown directions. Apply as a s	ing grasses before tillering or seedho eparate spray.	ead formation. Ose su	inactant of crop on according to	io label
	eparate spray.	ead formation. Ose su	inactant of crop on according to	.0 14061
directions. Apply as a s	eparate spray.	2.0-4.0	inactant of crop on according to	

Apply late fall before soil freeze-up (November). Spring-planted trees must be established at least 6 mo, fall-planted trees at least 1 yr. Effective on quackgrass.

Refer to label for registration status before applying any pesticide to nectarines.

# Trees Established in Orchard at Least One Full Year

Materials as listed for Year of Planting

Annual grasses and broadleaf weeds

	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-4.0		
	(Surflan AS)		3-4 qt	24

Apply late fall or early spring before weed emergence. Will not control emerged weeds. Will not control established perennial grasses or weeds. Add \*paraquat to help control emerged weeds.

Table 17.4.1. Weed control guidelines for PEACHES.

		Active Ingredient		
<b>Weeds Controlled</b>	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and broa	adleaf weeds (continued)			
	simazine	1.0-2.0		
	(Simazine 90DF)		1.125-2.25 lb	12
	(Caliber 90)		1.125-2.25 lb	12
	(Princep 4L)		1-2 qt	12
plus	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC)		4.8 qt	24
Pendimethalin use limited	to NONBEARING TREES (	ONLY.		
or	oryzalin	3.0-4.0		
	(Surflan AS)		3-4 qt	24
Apply late fall or early sp	ring before weed emergence.	Will not control establishe	ed perennial grasses or weeds.	Add
*paraquat to help control	emerged weeds.			
	Chateau (flumioxazin)		6.0-12.0	12
	rimsulfuron		4 oz	
(	Matrix 25 DF use in tank mix with other herbicides)			

Chateau should be tank mixed with labeled burndown herbicide (glyphosate, paraquat, 2,4-D, Rely 200) for control of emerged weeds. May be tank mixed with Surflan, simazine or diuron for additional residual weed control. Use 6.0 oz. rate on sandy soils and/or where trees are less than three years old.

Dandelion and other broadleaf weeds in sod cover		
2,4-D amine 1.4		
(*2,4-D Amine)	3.0 pt	48
(*Weedar 64; *Unison)	3.0 pt	48

Apply fall (best) or early spring BEFORE TREES OR DANDELIONS BEGIN TO BLOOM. AVOID CONTACT WITH FRUIT, FOLIAGE, STEMS, OR LOWER LIMBS OF TREES. Yearly application is needed to control dandelions.

# Trees Established in Orchard at Least Two Full Years

Materials as listed for younger trees

01

Annual grasses and broadleaf weeds				
	diuron	0.8-1.6		
	(Karmex 80DF)		1.0-2.0 lb	12
plus	terbacil	0.8-1.6		
	(Sinbar 80WP)		1.0-2.0 lb	12

Apply late fall or early spring before weeds emerge. See label for soil-texture rate limitations for diuron and terbacil. Add \*paraquat if emerged weeds are present. May require a 2nd \*paraquat application for late season weeds.

Table 17.4.1. Weed control guidelines for PEACHES.

Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
blished Orchards			
y brush and vines			
glyphosate	_	(mix 1 gal in	
(Roundup, etc.)	33% solution	2 gal water)	12
(WIPER APPLICATION ONL	Y)		
	y brush and vines glyphosate (Roundup, etc.)	Materials (lb)/A  blished Orchards  y brush and vines glyphosate —	Materials    Ingredient (lb)/A   Formulated Product/A

Best timing varies with weed type; see label for specific directions. AVOID ANY CONTACT WITH FOLIAGE, BRANCHES, OR TRUNKS OF TREES BECAUSE OF EXTREME SENSITIVITY TO THESE MATERIALS.

Established perennial broadleaf weeds			
*Clopyralid	0.12-0.24		
(*Stinger)		1/3-2/3 pt	12

Apply for post-emergence control of specific problem weeds such as Canada thistle, clover, vetch, dandelion, in row and row middles. Not to exceed 2/3 pt/A/year.

Refer to label for registration status before applying any pesticide to nectarines.

# 17.5 Apricots

Table 17.5.1. Weed control guidelines for APRICOTS.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Year of Planting				
Annual grasses and b	oroadleaf weeds			
Apply as soon as soil h	nas settled and no cracks are presen	nt		
	oxyfluorfen	1.2-2.0		
	(Goal 2XL)		2.4-4 qt	24
Oxyfluorfen application	ons limited to dormant trees (before	e buds on trees begin	to grow).	
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H20)		4.8 qt	24
or	oryzalin	3.0-6.0		
	*Surflan AS)		3-6 qt	24
	control established perennial gras	ses and weeds. Addit	ional control measures may be	needed to
control later emerging	weeds.			
	*paraquat	0.63-1.0		
	(*Gramaxone Inteon)		1.7-2.7 pt	12
Apply to emerged wee WORKER SAFETY O	ds as needed. Avoid contact of *pCAUTIONS.	araquat with foliage (	OR trunks of trees. SEE LABE	L FOR
	carfentrazone-ethyl	0.03		
	(Aim EW, EC)		1.9 oz	12
Apply in tank mix with	n paraquat for broadleaf and grass	control, but avoid con	ntact with green bark and folias	ge.

<sup>\*</sup>Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator. Refer to inside back cover for key to abbreviations and footnotes.

Table 17.5.1. Weed control guidelines for APRICOTS.

		Active Ingredient		
Weeds Controlled	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and bro	adleaf weeds (continued)			
	Chateau (flumioxazin)		6.0	12
Protect trees from spray of	contact by non-porous wraps,	grow tubes, or waxed co	ontainers.	
Annual and perennial g	rasses			
	fluazifop	0.25-0.375		
	(Fusilade DX)		1-1.5 pt	12
Grasses 2-8 in tall. Repea	at before regrowth is 10 in tall	. Use surfactant OR cro	p oil according to label directi	ons.
	sethoxydim	0.28-0.47		
	(Poast)		1.5-2.0 pt	12
Apply to actively growin	a arasses before tillering OR s	seedhead formation Use	e crop oil according to label di	irections Annly

Apply to actively growing grasses before tillering OR seedhead formation. Use crop oil according to label directions. Apply as a separate spray.

# Established perennial grasses

\*pronamide 2.0 - 4.0

(\*Kerb 50WP)

4-8 lb

24

12

Apply late fall before soil freeze-up (November). Spring-planted trees must be established at least 6 mo, fall-planted trees at least 1 yr. Effective on quackgrass.

#### Trees Established in Orchard at Least One Full Year

Materials as listed for Year of Planting

Annual grasses and broadleaf weeds

	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-4.0		
	(Surflan AS)		3-4 qt	24

Apply late fall OR early spring before weed emergence. Will not control established perennial grasses OR weeds. Add \*paraquat to help control emerged weeds.

Chateau (flumioxazin)

6.0-12.0

Chateau should be tank mixed with labeled burndown herbicide (glyphosate, paraquat, 2,4-D, Rely200) for control of emerged weeds. May be tank mixed with Surflan, simazine or diuron for additional residual weed control. Use 6.0 oz. rate on sandy soils and/or where trees are less than three years old.

# Dandelion and other broadleaf weeds in sod cover

2.4-D 1.4 (\*2,4-D Amine) 3.0 pt 48 (\*Weedar 64; \*Unison) 48 3.0 pt

Fall (best) OR early spring BEFORE TREES OR DANDELIONS BEGIN TO BLOOM. Yearly application is needed to control dandelions. Avoid contact with fruit, foliage, stems, OR lower limbs of trees. Unison not a vaporizer.

Table 17.5.1. Weed control guidelines for APRICOTS.

Materials	Ingredient (lb)/A	Formulated Product/A	REI (hrs)
hed Orchards			
ved weeds, perennial we	eeds, woody brush and	vines	
glyphosate	_	(mix 1 gal in	
(Roundup, etc.)	33% solution	2 gal water)	12
ER APPLICATION ON	LY)		
lleaf weeds			
*Clopyralid	0.12-0.24		
(*Stinger)		1/3-2/3 pt	12
	hed Orchards  ved weeds, perennial weeds, perennial weeds, perennial weeds  (Roundup, etc.)  PER APPLICATION ON type; see label for specific of TREES BECAUSE of the design of the desig	wed weeds, perennial weeds, woody brush and glyphosate — (Roundup, etc.) 33% solution PER APPLICATION ONLY) type; see label for specific directions. AVOID A OF TREES BECAUSE OF EXTREME SENSITE dleaf weeds *Clopyralid 0.12-0.24	wed weeds, perennial weeds, woody brush and vines glyphosate — (mix 1 gal in (Roundup, etc.) 33% solution 2 gal water) PER APPLICATION ONLY) type; see label for specific directions. AVOID ANY CONTACT WITH FOLIA OF TREES BECAUSE OF EXTREME SENSITIVITY TO THESE MATERIA dleaf weeds *Clopyralid 0.12-0.24

<sup>\*</sup>Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator. Refer to inside back cover for key to abbreviations and footnotes.

# 17.6 Plums and Prunes

Table 17.6.1. Weed control guidelines for PLUMS and PRUNES.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Year of Planting	Matthas	(ID)/A	Formulated Froduct/A	KEI (IIIS)
Annual grasses and but	roadleaf weeds			
_	as settled and no cracks are presen	nt		
	oxyfluorfen	1.2-2.0		
	(Goal 2XL)		2.4-4 qt	24
Oxyfluorfen application	ns limited to dormant trees (before	e buds on trees begin	to grow).	
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-6.0		
	(Surflan AS)		3-6 qt	24
Add *paraquat to help control later emerging	control established perennial grass weeds.	ses and weeds. Additi	onal control measures may be	needed to
	*paraquat	0.63-1.0		
	(*Gramaxone Max)		1.7-2.7 pt	12
Apply to emerged week WORKER SAFETY C	ds as needed. Avoid contact of *pa AUTIONS.	araquat with foliage o	or trunks of trees. SEE LABEL	FOR
	carfentrazone-ethyl	0.03		
	(Aim EW, EC)		1.9 oz	12
Apply in tank mix with	paraquat for broadleaf and grass	control, but avoid cor	ntact with green bark and foliag	ge.

Table 17.6.1. Weed control guidelines for PLUMS and PRUNES.

		Active Ingredient		
<b>Weeds Controlled</b>	Materials	(lb)/A	Formulated Product/A	REI (hrs)
Annual grasses and bro	adleaf weeds (continued)			
	Chateau (flumioxazin)		6.0	12
Protect trees from spray of	contact by non-porous wraps, g	grow tubes, or waxed c	ontainers.	
Annual and perennial g	rasses			
	fluazifop	0.25-0.375		
	(Fusilade DX)		1-1.5 pt	12
Grasses 2-8 in tall. Repea	at before regrowth is 10 in tall.	Use surfactant OR cro	op oil according to label direction	ons.
	sethoxydim	0.28-0.47		
	(Poast)		1.5-2.0 pt	12
Apply to actively growing grasses before tillering or seedhead formation. Use of sethoxydim limited to NONBEARING TREES ONLY. Use surfactant or crop oil according to label directions. Apply as a separate spray.				
Established perennial g	rasses			
	*pronamide	2.0-4.0		
	(*Kerb 50WP)		4-8 lb	24
Apply late fall before soi	l freeze-up (November). Sprin	g-planted trees must be	e established at least 6 mo, fall-	-planted trees at

Trees Established in Orchard at Least One Full Year

Materials as listed for Year of Planting

least 1 yr. Effective on quackgrass.

or

Annual grasses and br	roadleaf weeds			
	norflurazon	2.0-2.4		
	(Solicam 80DF)		2.5-3.0 lb	12
plus either	napropamide	4.0		
	(Devrinol 50DF)		8 lb	12
or	pendimethalin	4.0		
	(Prowl 3.3EC, Prowl H2O)		4.8 qt	24
or	oryzalin	3.0-4.0		
	(Surflan AS)		3-4 qt	24

Apply late fall or early spring before weed emergence. Add \*paraquat to help control emerged weeds. Will not control established perennial grasses or weeds.

Chateau (flumioxazin)	6.0-12.0	12
Rimsulfuron		
(Matrix 25 DF use in tank mix	4 oz	
with other herbicides)		

Chateau should be tank mixed with labeled burndown herbicide (glyphosate, paraquat, 2,4-D, Rely) for control of emerged weeds. May be tank mixed with Surflan, simazine or diuron for additional residual weed control. Use 6.0 oz. rate on sandy soils and/or where trees are less than three years old.

# Dandelion and other broadleaf weeds in sod cover

2,4-D	1.4		
(*2,4-D Amine)		3.0 pt	48
(*Weedar 64; *Unison)		3.0 pt	48

Apply 2,4-D fall (best) or early spring BEFORE TREES OR DANDELIONS BEGIN TO BLOOM. AVOID CONTACT WITH FRUIT, FOLIAGE, STEMS, OR LOWER LIMBS OF TREES. Yearly application is needed to control dandelions.

Table 17.6.1. Weed control guidelines for PLUMS and PRUNES.

Weeds Controlled	Materials	Active Ingredient (lb)/A	Formulated Product/A	REI (hrs)
Newly Planted and Estal	blished Orchards			
Perennial weeds, woody	brush and vines			
	glyphosate	_	(mix 1 gal in	
	(Roundup, etc.)	33% solution	2 gal water)	12
(W	TPER APPLICATION ONL	Y)		
	1. 1.1.0	·	NITE CONTRACT NUMBER DOLLAR	<b>6 5</b>

Best timing varies with weed type; see label for specific directions. AVOID ANY CONTACT WITH FOLIAGE, BRANCHES, OR TRUNKS OF TREES BECAUSE OF EXTREME SENSITIVITY TO THESE MATERIALS.

DRANCHES, OR TRUNKS OF TREES DECAUSE C	OF EATREMIE SENSITIV.	III IO INESE MATERI	ALS.
Established perennial broadleaf weeds			
*Clopyralid	0.12-0.24		
(*Stinger)		1/3-2/3 pt	12
Apply for post-emergence control of specific problem	weeds such as Canada this	tle, clover, vetch, dandelio	n, in row and
row middles. Not to exceed 2/3 pt/A/year.			

<sup>\*</sup>Restricted-use pesticide; may be purchased and used only by certified applicators or used by someone under the supervision of a certified applicator. Refer to inside back cover for key to abbreviations and footnotes.