

Citrus Pest Quick Guide:

Preemergence/Residual Herbicides for Citrus Weed Control¹

Contact: Ramdas Kanissery (rkanissery@ufl.edu)

Products recommended in the *Florida Citrus Production Guide* and their effects on weed management.

This table lists registered pesticides that should be integrated with other pest management methods. Contact your local UF/IFAS Extension office for additional information (<https://sfyl.ifas.ufl.edu/find-your-local-office/>).

Herbicide ^a	MOA ^b	REI ^c Hours	PHI ^d Day(s)	Weeds Controlled				Comments	Suggested Rate Per Acre
				Annual Grasses	Perennial Grasses	Annual Broadleaf	Perennial Broadleaf		
Indaziflam^e Alion	L (29)	12	7	X		X		Do not apply Alion within 30 days prior to planting or within 30 days after planting citrus trees.	5–6.5 oz.
Bromacil Hyvar X 80 WP	C1 (5)	12	—	X	X	X		Do not use on deep-sandy, ridge soil types.	Trees 4 years and older: 2–4 lb. Trees 1–3 years old: 2–3 lb.
Bromacil & Diuron Krovar I DF	C1, C2 (5, 5)	12		X	X	X		Do not use on deep-sandy, ridge soil types.	Trees 3 years and older: 4–6 lb. Trees 1–3 years old: 2–4 lb.
Diuron Diuron 80DF	C2 (5)	12		X		X		Foliage contacted by diuron may develop a bleached or bronzed appearance.	2–4 lb.
Diuron Direx/Diuron 4L	C2 (5)	12	—	X		X		Trees 4 years and older: 80 days between sequential applications. Trees less than 4 years: 60 days between sequential applications.	1.6–3.2 qt.
Diuron Karmex 80DF	C2 (5)	12	—	X		X		Trees 4 years and older: 80 days between sequential applications. Trees less than 4 years: 60 days between sequential applications.	2–4 lb.
Norflurazon Solicam 80DF	F1 (12)	12	30	X	X	X		For best results apply prior to weed emergence.	2.5–5 lb.
Norflurazon Solicam 80DF Water Ring treatment	F1 (12)	12	30	X	X	X		Apply at second or third watering, not during the planting operation.	2.3 oz. per 500 gal. water Apply 10 gal. per tree assuming a ring diameter of 4 ft.
Norflurazon Solicam 80DF Chemical injection through low-volume subcanopy irrigation systems	F1 (12)	12	30	X	X	X		Rate per acre should be based on measurements of area wetted by emitters and number of emitters per acre. See product label for calibration procedures. CAUTION: To be used only through irrigation systems which meet State requirements for chemical injection.	2–3 lb.
Oryzalin Oryalin 4 AS Surflan 4 AS	K1 (3)	24	—	X		X		Does not control perennial grasses or sedges. Apply prior to weed emergence.	0.5–1.5 gal.
Oryzalin Oryalin 4 AS Surflan 4 AS Chemical injection through low-volume subcanopy irrigation systems	K1 (3)	—	—	X				Apply prior to weed emergence. CAUTION: Use only through irrigation systems that meet state requirements for chemical injection.	No more than 1.5 gal. of oryzalin per year. See label for specific instructions on calculating the product rates.

^a All listed pesticides are registered and trademarked products.

^b Mode of action class (MOA) for herbicides from the Herbicide Resistance Action Committee (HRAC). Weed Science Society of America (WSSA) classification is provided in the parentheses.

^c Restricted Entry Interval

^d Preharvest Interval

^e Active ingredient

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Pendimethalin^e Prowl 3.3EC	K1 (3)	—	—	X				Nonbearing citrus only.	2.4–4.8 qt.
Pendimethalin Prowl H ₂ O	K1 (3)	24	1	X				Rain or irrigation required within 21 days to move pendimethalin into the zone of weed seed germination.	2.1–6.3 pt.
Simazine Caliber 9OWDGD	C1 (5)	12	1	X		X		Oranges and grapefruit only.	4.4 lb. (spring and/or fall) or a single application of 8.8 lb. in the spring applied once per 12 months.
Simazine Princep 4L	C1 (5)	12	1	X		X		Avoid application during summer rainy period.	1.0 gal. (spring and/or fall) or a single application of 2.0 gal. in the spring once per 12 months.
Simazine Simazine 4L	C1 (5)	12	1	X		X		Avoid application during summer rainy period.	0–2.0 gal. 2 gal. in spring (Ridge), 3.2 qt. in bedded groves; apply only once per year.
Simazine Simazine 9ODF	C1 (5)	12	1	X		X		Avoid application during summer rainy period.	4.4 lb. (spring and/or fall) or a single application of 8.8 lb. in the spring applied once per 12 months.
Flumioxazin Chateau	E (14)	12	3	X	X	X	X	Do not apply to trees established less than 1 year unless protected from spray contact by nonporous wrap. Do not make a sequential application within 30 days of first application. Do not apply to farm alleys or roads.	6–12 oz. Maximum rate of 24 oz. per 12-month period.

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2. Ramdas Kanissery, assistant professor, Horticultural Sciences Department, UF/IFAS Southwest Florida Research and Education Center; Wenwen Liu, postdoctoral associate, Horticultural Sciences Department, UF/IFAS SWFREC; Jamie D. Burrow, Extension program manager, UF/IFAS Citrus Research and Education Center; Stephen H. Futch, Extension agent (retired), UF/IFAS CREC; Brent A. Sellers, professor, Agronomy Department, and center director, UF/IFAS Range Cattle Research and Education Center; and Shea Teems, lab manager, UF/IFAS SWFREC; UF/IFAS Extension, Gainesville, FL 32611.

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