

**Introduction:** Weed control is one of the biggest issues in citrus production, especially for young trees as they can reduce growth and production. Pre-emergence herbicides control weeds at germination and post-emergence herbicides control weeds after they have emerged. These types of herbicides are often combined for better weed control. Always refer to the label for rates, tank mix partners, and precautions.



**PRE-EMERGENCE WEED CONTROL:** These herbicides should be applied to a fairly clean soil surface prior to emergence of weeds. In Georgia/North Florida late winter is a good time for the first application. At least two applications are needed per year. Common practice in Florida groves is to not use pre-emergence herbicides on newly planted trees although several herbicide labels below allow for their use.

Trade Name	Active Ingredient	Group	Planting Year	Year 2 & 3	Bearing Trees	Weeds Controlled
ALION	Indaziflam	29	Yes (FL only)	Yes	Yes	Grasses and Broadleaf Weeds
KROVAR 1 DF*	Bromacil +Diuron	5,7	Yes	Yes	Yes	Annual/Perennial grasses & annual broadleaf weeds
HYVAR X 80 WP*	Bromacil	5	No	Yes	Yes	Annual/Perennial grasses
PROWL H <sub>2</sub> O	Pendamethalin	3	Yes	Yes	Yes	Annual grasses
SURFLAN	Oryzalin	3	Yes	Yes	Yes	Annual grasses & some broadleaf weeds.
GOAL 2XL	Oxyfluorfen	14	Yes	Yes	No	Broadleaf weeds
SOLICAM 80DF**	Norfluazon	13	Yes	Yes	Yes	Annual/Perennial grasses & some broadleaf weeds

\* Do not use if soil organic matter is less than 1% or poorly drained soils. Do not use in groves where desirable trees are inter-planted

\*\*Suppresses established nutgrass and perennial grasses.

**POST-EMERGENCE WEED CONTROL:** These herbicides are either systemic or contact herbicides. Systemic herbicides are translocated throughout the plant while contact herbicides kill plant parts in which they touch. Drift from systemic herbicides will likely cause more damage to trees.

Trade Name	Active Ingredient	Group	Systemic	Contact	Weeds Controlled
ROUNDUP***	Glyphosate	9	Yes		Non-selective
AIM EC	Carfentrazone	14		Yes	Non-selective
RELY	Gluphosinate-Ammonium	10		Yes	Non-selective
GRAMOXONE SL 2.0	Paraquat	22		Yes	Non-Selective
POAST PLUS 1.0 EC	Sethoxydim	1	Yes		Annual and perennial grasses
TREEVIX	Saflufenacil	14	Yes		Broadleaf weeds
FUSILADE DX 2 E	Fluazfop	1	Yes		Annual and perennial grasses

\*\*\*Application of roundup to early fruiting varieties of citrus in late summer/early fall can result in fruit drop



### Mechanical Control

The use of landscape fabrics around trees can help eliminate weeds. Hand pulling can be used around trunks of small trees where cultivation or landscape fabrics are not applied. Cultivation or tillage can be used but at the risk of damaging fibrous root which can lead to invasion of pathogens or insects.

### For more information

Florida Citrus Pest Management Guide

<http://www.crec.ifas.ufl.edu/extension/pest/PDF/2015/Weeds.pdf>

[extension.uga.edu](http://extension.uga.edu)