

Weed Management in Peaches¹

Jeffrey G. Williamson²

The following table contains information on chemical weed control for peaches grown in Florida. Always read and follow all label directions carefully and exactly when applying any pesticide. Soil types and possible crop injury from herbicides vary greatly throughout Florida. Do not apply a herbicide to an inappropriate soil type even if the herbicide is labeled for that crop. See Table 1.

-
1. This document is HS93, one of a series of the Horticultural Sciences Department, Florida Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida. Original publication date: Revised: November 2007. Please visit the EDIS site at <http://edis.ifas.ufl.edu>.
 2. Jeffrey G. Williamson, professor, Horticultural Sciences Department, Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, FL 32611.

The Institute of Food and Agricultural Sciences (IFAS) is an Equal Opportunity Institution authorized to provide research, educational information and other services only to individuals and institutions that function with non-discrimination with respect to race, creed, color, religion, age, disability, sex, sexual orientation, marital status, national origin, political opinions or affiliations. U.S. Department of Agriculture, Cooperative Extension Service, University of Florida, IFAS, Florida A. & M. University Cooperative Extension Program, and Boards of County Commissioners Cooperating. Larry Arrington, Dean

Table 1. Chemical weed control in peaches.

Pre-emergence		
Common Name (Trade name)	Pounds active ingredient per acre	Time of Application
Diuron (Karmex or Diuron) 80 DF (Karmex XP) 80 DF	1.6 to 4 1.6 to 2.16	Early spring before weeds emerge or during early seedling stage. Do not apply Karmex xp or Diruron within 3 months of harvest. Karmex DF has a 10-day PHI.
Weeds Controlled and Remarks: Annual broadleaf weeds, annual grasses and perennial weed seedlings only under trees established in the orchard for at least 3 years. Use and rate depend on soil texture and organic matter content. Moisture is required to activate. Do not graze treated area. Preharvest interval varies with formulation. Contact action is enhanced by addition of a surfactant. Do not use on sandy, loamy sand, or gravelly soils, or on eroded areas where subsoil or tree roots are exposed. Do not use on any soil with less than 1% organic matter. See label for further restrictions based on soil type.		
Oryzalin (Oryzalin or Surflan) 4AS	2 to 4	Allow soil to settle around newly planted trees before application. Apply before annual weeds emerge.
Weeds Controlled and Remarks: Annual grasses and broadleaf weeds. Only 1 application per year. Existing vegetation should be tilled prior to application or destroyed by a contact herbicide. Sprinkler irrigate or use shallow cultivation if a single 1/2-1" rain does not occur within 21 days following application.		
Oxyfluorfen (Goal 2XL or OxiFlo) 2EC (GoalTender) 4E	1.25 to 2	Apply to dormant trees until just before buds begin to swell. Do not apply when foliage or fruit are present.
Weeds Controlled and Remarks: Controls annual broadleaf and some grass weeds. Avoid direct contact with crop plant. May be tank mixed with certain other pre and post-emergence herbicides (see label).		
Pendimethalin (Prowl) H ₂ O 4AS	2 to 4	Do not apply to newly planted trees until soil has settled around roots. Prowl has a 60-day preharvest interval.
Weeds Controlled and Remarks: Most effective when adequate irrigation or rainfall occurs within 7 days after application. Can be applied with paraquat to control emerged weeds.		
Simazine (Princep, Simazine) 4L 90 WDG	1.6 to 4	Apply in late fall to early spring prior to weed emergence.
Weeds Controlled and Remarks: Controls certain annual grasses and broadleaf weeds. Trees must be established at least 1 year. Make only one application per year. Do not use on sand, loamy sand, gravelly soils, or exposed subsoils. Do not use on soils that contain less than 1% organic matter. Avoid contact with fruit, foliage or stems. Do not allow animals to graze treated areas.		

Table 1. Chemical weed control in peaches.

Oryzalin (Surflan) 4AS + Simazine (Simazine, Princep) 4L 90 WDG	2 to 4 + 1.6 to 4	Apply during spring before annual weed emergence. Do not apply to trees that are established in the orchard for less than one year.
Weeds Controlled and Remarks: Controls certain annual grasses and broadleaf weeds. Do not use on sand, loamy sand, gravely soils, or exposed subsoils. Can be tank mixed with paraquat or Glyphosate for control of emerged weeds.		
Post-emergence		
Common Name (Trade name)	Pounds active ingredient per acre	Time of Application
Carfentrazone-ethyl (Aim) 2 EC	0.008 to 0.031	Apply when weeds are at the 2-3 leaf stage for best results. Do not apply within 7 days of harvest.
Weeds Controlled and Remarks: Controls certain broadleaf weeds. Use a minimum spray volume of 20 gpa. Do not allow spray to contact green bark or desirable fruit, flowers or foliage. If spray contacts fruit or foliage, spotting and leaf necrosis can occur. Use a nonionic surfactant or crop oil (see label).		
Fluazifop-butyl (Fusilade DX) 2 EC	0.125 to 0.38	Apply before grasses are at a specific growth stage (refer to product label). Do not harvest within 14 days of application.
Weeds Controlled and Remarks: Certain annual and perennial grasses. Use with a crop oil or nonionic surfactant (see label). May be used for site preparation. Do not use more than 72 fl oz of formulation per acre, per season. Do not graze animals on any treated area. Does not control nutsedges. Avoid contact of spray with crop foliage.		
Glyphosate (Various)	1	No later than 90 days after first bloom.
Weeds Controlled and Remarks: Post emergence activity only. Damages all green tissue contacted. Apply with shielded sprayer. Do not allow contact of spray, drift, or mist with foliage, green bark, suckers, exposed roots, or fruit of desirable trees, crops, plants, or other desirable vegetation. Remove suckers and low limbs at least 10 days before application. Apply only near trees that have been planted in the orchard for 2 or more years. See label for restrictions on application equipment.		
Paraquat (Various)	0.66 to 1	Apply to weeds when succulent and new growth is 1-6" high. Paraquat has a 14-day PHI.
Weeds Controlled and Remarks: Controls most annual grasses and broadleaf weeds. Perennial weeds are desiccated. Use a non-ionic surfactant (see label). Do not allow spray to contact green stems, fruit or foliage. Do not spray under windy conditions and use a shield near young trees. Do not graze on treated areas. May be tank mixed with certain pre-emergence herbicides.		
Sethoxydim (Poast) 1.5 EC	0.19 to 0.47	Apply to actively growing grasses. Do not apply within 25 days of harvest.
Weeds Controlled and Remarks: For control of most annual and perennial grasses. Rate depends on type of grass to be controlled. See label for information on additives that increase herbicidal activity. Multiple applications may be needed to control perennial grasses. Do not apply more than 5 pts of Poast per acre per year. Does not control nutsedges.		