

Weed Management in Plums¹

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The following table contains information on chemical weed control for plums 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.

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1. This document is HS96, 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: 1994. Revised: November, 2007. Please visit the EDIS Web site at <http://edis.ifas.ufl.edu>.
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Table 1. Chemical weed control in plums.

Pre-emergence		
Common Name (Trade name)	Pounds active ingredient per acre	Time of application
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. A single 1/2 to 1 inch rainfall or sprinkler irrigation is needed to move the herbicide into the zone of weed seed germination.		
Oxyfluorfen (Goal 2XL or OxioFlo) 2 EC (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 grassweeds. Avoid direct contact with crop plants. May be tank mixed with certain other pre and post-emergence herbicides (see label). Apply only to healthy trees.		
Pendimethalin (Prowl) H ₂ O AS	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.		
Post-emergence		
Common Name (Trade name)	Rate (product/treated acre)	Time of application
Carfentrazone-ethyl (Aim) 2EC	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).		
Fluazifo-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 graze animals on treated area. Do not apply more than 75 fluid ounces of formulation per acre, per season.		
Glyphosate (Various)	1	Do not apply within 17 days of harvest. See label for further information.
Weeds Controlled and Remarks: Post emergence activity only. Damages all green tissue contacted. Use wiper equipment only. Avoid contact with foliage, green bark, exposed roots, and other desirable vegetation. Do not apply within 17 days of harvest. See label for restrictions		

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Common Name (Trade name)	Rate (product/treated acre)	Time of application
Paraquat (Various)	0.66 to 1	Apply to weeds when succulent and new growth is 1-6" high.
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. Use a shield for 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 under non-bearing trees only.
Weeds Controlled and Remarks: Controls most annual and perennial grasses. Rate depends on type of grass to be controlled. For use on non-bearing trees only. Does not control nutsedges.		