



Weed Control in Parsley¹

William M. Stall²

Parsley is placed in the "leafy greens" EPA group due to its closeness to lettuce and spinach for residues. Check "Weed Control in Leafy Greens" at <http://edis.ifas.ufl.edu/wg031> for possibly more labels. Bensulide may be applied to parsley preplant incorporated or preemergence on mineral soils.

Linuron is labeled for weed control in parsley (Table 1). The label for linuron is relatively new and the material should be used on a trial basis until experience is gained as to rates and timing at specific locations. Linuron may be applied as a postemergence application over parsley in muck soils only.

Prometryne has a third-party label for use on parsley through TPR, Inc. Authorization and waiver agreements must be signed before use.

Cilantro (Mexican parsley, Chinese parsley) labels are not covered under parsley at the present time. Only bensulide, clethodim and sethoxydim have labels for application on cilantro. In the future, cilantro may be covered under parsley for residue purposes.

Read and follow all label directions.

1. This document is HS952, 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 August 11, 2003. Revised March 2010. Before August 2003, this publication was combined with Weed Control in Carrot. Visit the EDIS Web Site at <http://edis.ifas.ufl.edu>.

2. William M. Stall, professor, Horticultural Sciences Department, Cooperative Extension Service, Institute of Food and Agricultural Sciences, University of Florida, Gainesville, 32611.

The use of trade names in this publication is solely for the purpose of providing specific information. It is not a guarantee or warranty of the product named, and does not signify that they are approved to the exclusion of others of suitable composition.

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. Millie Ferrer-Chancy, Interim Dean

Table 1. Chemical Weed controls: Parsley.

Herbicide	Labeled crops	Time of application to crops	Rate (lbs. AI./Acre)	
			Mineral	Muck
Bensulide (Prefar 4E)	Parsley	Preplant Directed-Hooded Row-middles	5-6	----
Remarks: May be applied preplant and incorporated with power driven cultivations or may be incorporated with irrigation.				
Carfentrazone (Aim)	Parsley	Preplant Directed-hooded Row-middles	0.031	0.031
Remarks: Aim may be applied as a preplant burndown treatment and/or as a post-directed hooded application to row middles for the burndown of emerged broadleaf weeds. May be tank mixed with other registered herbicides. May be applied at up to 2 oz (0.031 lb ai). Use a quality spray adjuvant such as crop oil concentrate (coc) or non-ionic surfactant (nis) at recommended rates.				
Clethodim (Select Max) (Arrow) (Intensity) (Shadow)	Parsley Cilantro	Postemergence	0.068 - 0.125	0.068 - 0.125
Remarks: Postemergence control of emerged grasses. Apply a non-ionic surfactant with Select Max. Apply Select Max at 9 -16 fl oz/A. Apply Arrow, Intensity, and Shadow at 6 - 8 fl oz/A with a crop oil concentrate. There is a 14-day phi.				
Linuron (Lorox DF)	Parsley	Preemergence Postemergence	0.75 NL	0.75 - 1.5 0.5
Remarks: Apply a single broadcast application in mineral and muck soils after planting but before plant emergence. In muck soils only, an additional application may be made after parsley emergence when weeds are in 1 to 3 leaf stage. Do not apply within 30 days of harvest.				
Pelargonic Acid (Scythe)	Parsley	Preplant, Preemergence, Directed-shielded	3-10% v/v	3-10% v/v
Remarks: Product is a contact, non-selective, foliar applied herbicide. There is no residual control. May be tank mixed with soil residual compounds. Consult label for rates and other information.				
Prometryne (Caparol 4L)	Parsley	Postemergence	0.25 -.5	0.25 -.5
Remarks: Caparol 4L may be applied postemergent as a broadcast application at .5 -1 pint/A to direct seeded parsley or dill. Applications may be made no closer then 30 days prior to harvest. Applications must be made in a minimum of 20 gpa. A maximum of 1 lb a.i/A (2 pts/A) of Caparol 4L may be applied per growing season. Crops treated may be sold for fresh market only. This is a third party registration. Authorization and waiver agreements must be obtained from TPR, Inc. prior to use. The use of the product may result in stunting and delayed maturity. Climatic conditions during the growing season will affect efficacy and phytotoxicity.				
Sethoxydim (Poast)	Parsley Cilantro	Postemergence	0.188-0.28	0.188-0.47
Remarks: Controls actively growing grass weeds. A maximum rate of 2.5 pints product may be made per application. A total of 5 pints product may be applied per season. There is a 30-day PHI (pre harvest interval). Consult label for rates for grass species and growth stages for best control.				