

# Weed Management in Parsley and Cilantro<sup>1</sup>

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Parsley is placed in the “leafy greens” EPA group for residues because of its closeness to lettuce and spinach. Check *Weed Control in Leafy Greens* (<http://edis.ifas.ufl.edu/wg031>) for possibly more labels. Bensulide may be preplant incorporated to parsley or applied 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.

Cilantro was included in the 2009 Pesticide Data Program. One hundred and eighty-four samples were collected from stores across the United States. The USDA analyzed the 1 lb. samples for all pesticides, including fungicides, insecticides, and herbicides. This EDIS publication includes only herbicides. The herbicides detected were dimethenamid (0.7% of samples), fluazifop butyl (0.5%), linuron (15.2%), metolachlor (1.1%), pendimethalin (6.5%), and pronamide (0.5%). All herbicide residue levels were below the allowable residue level for other crops. The report concludes a possible confusion between chemicals registered in parsley, but not in cilantro. Of the six herbicide residues, linuron is the only herbicide registered in parsley. Read and follow all label directions.



Figure 1. Common lambsquarters growing in cilantro.  
Credits: Peter Dittmar, UF/IFAS

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Table 1. Preemergence chemical weed control in parsley.

Active ingredient lb. a.i./A	(Trade name) amount of product/A	MOA code	Crops	Weeds controlled/remarks
Bensulide 5–6	(Prefar®) 4 E 5–6 qt.	8	Parsley, cilantro	Annual broadleaf and grass weeds. Incorporate or irrigate 1–2 inches deep within 36 hrs. of application. Consult label for rotation restrictions.
Carfentrazone up to 0.031	(Aim®) 1.9 EW	14	Parsley, cilantro	Apply as a preplant burndown for emerged broadleaf weeds. Consult label for the required adjuvant. Maximum rate of 0.096 lb. a.i./A per season. No preplant interval.
Glyphosate	(Various formulations) Consult label	9	Parsley, cilantro	Emerged broadleaf and grass weeds. Consult individual labels for restrictions.
Linuron 0.5–1.5	(Lorox® DF) 50 DF 1–3 lb.	7	Parsley, cilantro	Mineral and muck soils. Apply after seeding and before crop emergence. Use lower rates on coarse soils.
Pelargonic acid	(Scythe®) 4.2 EC 3–10% v/v	27	Parsley, cilantro	Emerged weeds. Apply before crop emergence. Product is a contact, nonselective, foliar-applied herbicide. There is no residual activity.
Prometryn 0.5	(Caparol®) 4 L 1.0 pt.	5	Parsley, cilantro	A single preemergence application can be applied up to 14 days after planting. A second application can be made up to 30 days prior to harvest. Do not apply on sand or loamy sand. Read label for rotation restrictions.
Pyraflufen 0.001–0.003	(ET® Herbicide/ Defoliant) 0.5–2.0 fl. oz.	14	Parsley	Emerged broadleaf and grass weeds. Plant 1 day after application. Apply as a preplant burndown treatment.

Table 2. Postemergence chemical weed control in parsley.

Active ingredient lb. a.i./A	(Trade name) product/A	MOA code	Crops	Weeds controlled/remarks
Carfentrazone Up to 0.031	(Aim®) 2 EC, 1.9 EW Up to 2 fl. oz.	14	Parsley, cilantro	Emerged broadleaf control. Postdirect hooded application to row middles for burndown of emerged broadleaf weeds. Include crop oil concentrate (COC) or nonionic surfactant (NIS) at recommended rates. PHI 0 days.
Clethodim 0.094–0.125 0.07–0.125	(Arrow®) 2 EC 6–8 fl. oz. (Select Max®) 1 EC 9–16 fl. oz.	1	Parsley, cilantro	Annual and perennial grass control. Select Max® is not registered in cilantro. PHI 14 days.
Linuron 0.5	(Lorox® DF) 50 DF 1 lb.	7	Parsley	Apply after crop has a minimum of three true leaves or crop injury may result. Apply when weeds are in the one to three true leaf stage. Do not exceed 3 lb. of Lorox®/acre per season. PHI 30 days.
Pelargonic acid	(Scythe®) 4.2 EC 3–10% v/v	27	Parsley, cilantro	Emerged weeds. Row middles only. Use a shielded sprayer directed to the row middles to reduce drift to the crop.
Prometryn 0.5	(Caparol®) 4 L 1.0 pt.	5	Parsley	An application can be made up to 30 days prior to harvest. Another application can be applied after harvest to the new regrowth. Do not use on sand or loamy sands. Read label for rotation restrictions.
Sethoxydim 0.19–0.28	(Poast®) 1.5 EC 1.0–1.5 pt.	1	Parsley, cilantro	Growing grass weeds. Decreased efficacy if weeds are under stress. Do not exceed 3.0 pt./A per season. Include a COC in the spray solution. PHI 15 days.