

Leaf Crops

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Site Preparation, Stale Seedbeds, and Selective Postemergence Applications

See “Site Preparation, Stale Seedbeds, and Selective Postemergence Applications” at the beginning of Section P. in this handbook.

Quick Reference for Labeled Herbicides in Leafy Vegetables

Ingredient	Leafy Greens Group 4						Leaves of roots and tuber crops Group 2	Herbs Group 19			
	Lettuce	Endive	Spinach	NZ spinach	Swiss chard	Arugula	Chicory leaves	Cilantro/coriander	Dill	Fennel	Parsley
PREEMERGENCE											
Benefin	x										
Bensulide	x	x				x	x			x	x
Clomazone								x	x		
Cycloate			OR, WA								
Linuron								x	x		x
Prometryn								x	x	x	x
Pronamide	x	x									
Trifluralin		x					x				
POSTEMERGENCE											
Clopyralid			x								
Imazamox							x				
Clethodim	x	x	x	x	x	x	x	x	x	x	x
Pendimethalin	ID, WA										
Sethoxydim	x	x	x	x	x	x	x	x	x	x	x
Triflurosulfuron methyl		x					x				

Preplant Incorporated or Postplant Surface

benefin (Balan)

Lettuce only, direct-seeded and transplanted

Rate 1.2 to 1.5 lb ai/a (2 to 2.5 lb/a Balan)

Time Apply from 10 weeks to just before planting; incorporate within 8 hr by cross-disking or with a power-takeoff rotary tiller.

Remarks May apply through center-pivot and lateral-move irrigation systems. Spray only once; avoid overlapping. See label about planting sensitive crops within 10 to 12 months. Control is poor for many broadleaf weeds. Inhibits mitosis in shoots and roots.

Site of action Group 3: microtubule assembly inhibitor

Chemical family Dinitroaniline

bensulide (Prefar 4E)

Lettuce, endive, cilantro (coriander), red chicory and arugula only; will severely injure spinach, New Zealand spinach, and Swiss chard

Rate 5 to 6 lb ai/a (5 to 6 quarts/a Prefar 4E)

Time Preplant or postplant surface

Crops Lettuce and other leafy vegetables including but not limited to arugula, *Brassica* leafy vegetables (see label), cardoon, celery, chicory, Chinese celery, chervil, cress, dock, endive, Florence fennel, and parsley. Do not use on spinach or Swiss chard.

Remarks Incorporate before planting in top 1 to 2 inches of soil by cross-disking or using a power take-off rotary tiller; or apply preemergence soon after planting, before crop and weeds begin germination, and activate with 1 inch overhead moisture. Sometimes the first flush of weeds must be controlled with