

Parsley

Culture

Parsley is grown exclusively for its green leaves, or tops. The curled-leaf and Italian flat-leaf types are the most popular. Field seeding begins in early April and ends in May. Parsley is cut 1.5-2 inches from ground level to allow regrowth. About three or four cuttings are made, depending on the length of the growing season.

Varieties

Flat-leaf types

Plain Leaf

Dark Green Italian

Curled-leaf types

Champion Moss Curled

Forest Green

Lime and Fertilizer

Maintain soil pH at 5.5-6.0.

Broadcast and disk in all fertilizer prior to planting.

Apply per acre: 100-120 lb N, 100-120 lb P₂O₅ and 100-120 lb K₂O. After each cutting, broadcast 30 lb N/A and cultivate.

Spacing and Seeding

Rows: 12-16 inches.

Seeding rate: 14-16 lb/A (70% germination). A 2-inch scattered shoe is used on all planters.

Disease Control

Damping off

If Pythium damping off has been a problem, apply **Ridomil Gold EC** 1-2 pt/treated A pre- or at-planting.

Bacterial Blight

Where bacterial blight has been a problem, apply fixed copper when plants are established in the field and repeat applications at 5-7 day intervals when wet conditions persist.

Kocide 3000 1.25 lb/A (0 days-PHI).

Champion WP 3 lb/A (0 days-PHI).

Cuprofix Ultra 40D 2 lb/A (0 days-PHI).

Septoria Leaf Spot and Alternaria Leaf Spot

Apply **Quadris** at 6.0-15.5 fl oz/A or **Cabrio EG** 12-16 oz/A (0 days-PHI) after the first cutting and at 7-10 day intervals thereafter (maximum three applications). Alternate with **Switch 62.5WG** at 11-14 oz/A (0 days-PHI) or **Tilt** 3.0-4.0 fl oz/A (14 days-PHI).

Insect Control

See the table below for overview of insecticides used to control parsley pests.

• Soil treatment before or at planting

Dinotefuran (21 days-PHI)

For whiteflies, aphids, leafhoppers, leafminers.
Venom 70SG: 5-6 oz/A. Limit 12 oz/A per season.

Imidacloprid (21 days-PHI)

For aphids, leafhoppers, whiteflies.
Admire 2F, Alias 2F: 0.7-1.7 fl oz per 1,000 ft, or 10-24 fl oz/A. Apply before planting, or during seeding, or as post-seeding drench.
Admire Pro (4.6F): 4.4-10.5 fl oz/A.

Thiamethoxam (30 days-PHI)

For aphids, leafhoppers.
Platinum 2SC: 5-11 fl oz/A.
Platinum 75SG: 1.66-3.67 oz/A. Limit 3.67 oz/A per year.

Thiamethoxam + chlorantraniliprole (30 days-PHI)

For aphids, caterpillars.
Durivo 1.67SC: 10-13 fl oz/A.

Insecticides for Control of Parsley Pests (✓ = labeled; - = not labeled)					
	Pre-harvest interval (days)	Carrot weevil	Caterpillars ¹	Leafhoppers	Leafminer
abamectin (Agri-Mek)	7	-	-	-	✓
acetamiprid (Assail)	7	-	-	-	-
azinphos-methyl (Guthion)	21	✓	-	-	-
B.t. (Javelin, DiPel, etc.)	0	-	✓	-	-
carbaryl (Sevin)	14	-	✓	✓	-
chlorantraniliprole (Coragen)	1	-	✓	-	-
cyfluthrin (Baythroid)	0	-	✓	✓	-
cyromazine (Trigard)	7	-	-	-	✓
dinotefuran (Venom)	7, 21	-	-	✓	✓
emamectin benzoate (Proclaim)	7	-	✓	-	-
flonicamid (Beleaf)	0	-	-	-	-
flubendiamide (Synapse)	1	-	✓	-	-
imidacloprid (Provado, Admire)	7, 21	-	-	-	-
indoxacarb (Avaunt)	3	-	✓	-	-
malathion	21	✓	✓	✓	-
methomyl (Lannate)	10	-	✓	-	-
methoxyfenozide (Intrepid)	1	-	✓	-	-
permethrin (Ambush, Pounce)	1	-	✓	✓	✓
pymetrozine (Fulfill)	7	-	-	-	-
spinetoram (Radiant)	1	-	✓	-	✓
spinosad (Spintor)	1	-	✓	-	✓
spiromesifen (Oberon)	7	-	-	-	-
spirotetramat (Movento)	3	-	-	-	-
tebufenozide (Confirm)	7	-	✓	-	-
thiamethoxam (Actara, Platinum)	7	-	-	✓	-
thiodicarb (Larvin)	7	-	✓	-	-
zeta-cypermethrin (Mustang)	1	-	✓	✓	-

¹Caterpillars include celery leaf-tier and parsleyworm.

• Via drip (trickle) irrigation

Thiamethoxam + chlorantraniliprole (30 days-PHI)

For aphids, caterpillars.

Durivo 1.67SC: 10-13 fl oz/A.

• Foliar treatment

Abamectin (7 days-PHI)

For mites, leafminers.

Agri-Mek 0.15EC, Abba 0.15EC: 8-16 fl oz/A. Limit 48 fl oz/A per season.

Acetamiprid (7 days-PHI)

For aphids, whiteflies.

Assail 30SG: 1.8-4.0 oz/A.

Azinphos-methyl (7 days-PHI)

For carrot weevil.

Guthion 50WP: 1 lb/A.

Bacillus thuringiensis (B.t.) (0 days-PHI)

For armyworm, loopers, green cloverworm, variegated cutworm, webworms.

Agree (3.8% a.i.): 1-2 lb/A.

Biobit HP WP (6.4% a.i.): 0.5-2 lb/A.

CryMax WDG (15% a.i.): 0.5-1.5 lb/A.

DiPel DF (10.3% a.i.): 0.25-1 lb/A.

Javelin WG (6.4% a.i.): 0.25-1.25 lb/A.

XenTari WDG: 0.25-1 lb/A.

Carbaryl (14 days-PHI)

For flea beetles, leafhoppers, armyworms, corn earworm, plant bugs.

Carbaryl 4L; Sevin 4F; Sevin XLR Plus (4EC): 0.5-1 qt/A for flea beetles, leafhoppers; 1-2 qt/A for caterpillars, bugs.

Sevin 50WP: 1-2 lb/A for flea beetles; 1-3 lb/A for leafhoppers; 2-4 lb/A for caterpillars, bugs.

Sevin 80S: 0.67-1.25 lb/A for flea beetles, leafhoppers; 1.25-2.5 lb/A for caterpillars, bugs.

Chlorantraniliprole (Rynaxypyr) (1 day-PHI)

For caterpillars.

Coragen 1.67SC: 3.5-7.5 fl oz/A. Apply as a foliar spray or via drip irrigation.

Cyfluthrin and beta-cyfluthrin (0 days-PHI)

For cutworms, loopers, plant bugs.

Baythroid 2EC: 0.8-3.2 fl oz/A. Limit 4 applications per year.

Baythroid XL 1EC: 0.8-3.2 fl oz/A.

Cyromazine (7 days-PHI)

For leafminers.

Trigard 75WP: 1/6 lb/A.

Dinotefuran (7 days-PHI)

For whiteflies, aphids (suppression), leafhoppers, leafminers.

Venom 70SG: 1-3 oz/A. Limit 6 oz/A per season.

Emamectin benzoate (7 days-PHI)

For caterpillars.

Proclaim (5WDG): 2.4-4.8 oz/A.

Flonicamid (0 days-PHI)

For aphids.

Beleaf 50SG: 1.2-2.8 oz/A. Limit 3 applications per year.

Flubendiamide (1 day-PHI)

For caterpillars.

Synapse 24WG: 2-3 oz/A. Limit 9 oz/A per crop season.

Imidacloprid (7 days-PHI)

For aphids, whiteflies.

Provado 1.6F, Pasada 1.6F: 3.75 fl oz/A.

Imidacloprid + cyfluthrin (7 days-PHI)

For caterpillars, aphids.

Leverage 2.7SE: 3.8 fl oz/A.

Indoxacarb (3 days-PHI)

For caterpillars.

Avaunt 30WG: 2.5-6 oz/A. Limit 24 oz/A per crop.

Malathion (2 days-PHI)

For carrot weevil, aphids, loopers, leafhoppers.

Malathion 5EC; Malathion 57EC: 1-2 pt/A.

Methomyl (10 days-PHI)

For loopers.

Limit 8 applications/crop.

Lannate 90SP: 0.5-1 lb/A.

Lannate LV (2.4WSL): 1.5-3 pt/A.

Methoxyfenozide (1 day-PHI)

For caterpillars.

Intrepid 2F: 4-10 fl oz/A.

Permethrin (1 day-PHI)

For leafhoppers, cutworms, loopers, leafminers.

Arctic 3.2EC, Permethrin 3.2EC: 2-8 oz/A for loopers, leafhoppers; 4-8 oz/A for leafminers, cutworms, other caterpillars.

Ambush 25WP; Pounce 25WP: 3.2-12.8 oz/A for loopers, leafhoppers; 6.4-12.8 oz/A for leafminers, cutworms, other caterpillars.

Pymetrozine (7 days-PHI)

For aphids, whiteflies.

Fulfill 50WDG: 2.75 oz/A.

Spinetoram (1 day-PHI)

For caterpillars, leafminers, thrips.

Radiant 1SC: 5-10 fl oz/A. Limit 6 applications per crop.

Spinosad (1 day-PHI)

For cabbage looper, armyworms, leafminers.

Spintor 2SC: 4-10 oz/A. Limit 29 oz/A/year.

Entrust (80WP): 0.5-3 oz/A.

Spiromesifen (7 days-PHI)

For whiteflies.

Oberon 2SC: 7.0-8.5 fl oz/A. Limit 3 applications per crop season.

Spirotetramat (3 days-PHI)

For aphids, whiteflies.

Movento 2SC: 4-5 fl oz/A. Limit 10 fl oz/A per crop season.

Tebufenozide (7 days-PHI)

For caterpillars.

Confirm 2F: 6-8 oz/A for small plants; 8 oz/A for larger plants and heavy infestation. Limit 56 fl oz/A per year.

Thiamethoxam (0 days-PHI)

For aphids, leafhoppers.

Actara 25WDG: 1.5-3 oz/A.

Thiamethoxam + chlorantraniliprole (7 days-PHI)

For leafhoppers, caterpillars.

Voliam Flexi (20+20WDG): 4-7 oz/A.

Thiodicarb (14 days-PHI)

For armyworms, loopers.

Larvin 3.2F: 16-30 fl oz/A. Limit 60 fl oz/A per season.

Zeta-cypermethrin (1 day-PHI)

For leafhoppers, caterpillars, Lygus bug.

Mustang 1.5EW: 2.4-4.3 fl oz/A.

Mustang Max 0.8EC: 2.24-4 fl oz/A.

Weed Control

Preemergence

Lorox DF: For control of germinating annual weeds apply 1-3 lb/A after seeding but before crop emergence. Use low rates on coarse soils and higher rates on heavier soils (30 days-PHI).

Prefar 4E: For control of annual grasses and some broadleaf weeds. Apply 5-6 qts/A. May be applied preplant or preemergence. Prefar is not effective in muck soils.

Postemergence

Muck soils only

Lorox DF: For control of seedling annual weeds (1-3 leaf stage) apply 1 lb/A. Do not exceed 3 lb/A total applied for the season. Apply after parsley has 3 true leaves or crop injury may result (30 days-PHI).

Poast 1.5 E: For control of grasses apply 1.5 pt/A. Include COC at 1% V/V (1 qt/A). Multiple applications to a total of 3 pt/A/season are permitted (15 days-PHI).

SelectMax: For control of annual or perennial grasses. Apply 9-16 fl oz/A plus non-ionic surfactant at 0.25% of final volume. Repeat applications can be made at 14-day intervals for maximum allowed use per season of 64 fl oz/A. Pre-harvest interval is 1 day.

Directed/shielded application

Aim EC / Aim EW: Controls emerged broadleaf weeds. Apply as a directed spray, using a shielded sprayer, to actively growing weeds up to 4 inches in height. Add non-ionic surfactant at 0.25% or crop oil concentrate at 1-2%. Formulations available include: **Aim EC:** Use 1-2 fl oz/A, and **Aim EW HERBICIDE:** Use 0.5 to 1.6 fl oz/A.