



Parsley

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Varieties

Banquet, Champion Moss Curled, Evergreen, Italian Flat Leaf, Moss Curled, Pagoda, Plains Italian, Triple Curl

Soil Preferences

Wide variety of soils but prefers well drained, sandy loams with pH 6.0 - 7.0.

Optimum Growing Conditions

Parsley grows well under a wide range of temperatures, but does best with temperatures ranging between 45-85°F. Temperatures below 45°F for 1-2 months cause bolting as temperatures increase.

Establishment Methods

Planting Method	Direct seeded
Optimum Time	Soil temperature 50-80°F
Seeding rate	20-40 lbs/acre
Approx seed/oz	15,000-18,000
Seeding depth	0.25-0.3"
Seedling spacing	In-row spacing - Drop 24-30 seed/foot Multiple rows per bed <ul style="list-style-type: none"> • 40" bed - 6-12" between rows on bed surface with 4 rows • 80" bed - 10-12" between rows

Fertility/Fertilization

Rates presented as actual lbs/acre N₂, P₂O₅, and K₂O (base actual rates applied on soil test results).

Generalized rate: 120 - 50 - 120 lb/acre	
N*	80-100 Apply 20-25% pre-plant + 20-25% when rapid growth flush initiates and another 20-25% after each cutting

P	50-80 banded approximately 1-2" below seed at planting
K	100-120 applied only if needed as indicated by soil test. Apply all with first nitrogen application.

* Ammonium nitrate is very stable and least likely to evaporate. Urea and ammonium sulfate evaporate if not incorporated.

Water/Irrigation

Maintain uniform soil moisture, 6-12" per season.

Pest Management

Parsley Diseases and Common Name of Fungicidal Controls

DISEASE	FUNGICIDE*	OMRI LISTED FUNGICIDE**
Damping-off (Pythium)	Fludioxonil	
Downy mildew	Azoxystrobin, Fenamidone, Fluopicolide, Fosetyl-Al, Mandpropamid, Potassium Phosphite, Pyraclostrobin	<i>Bacillus Pumilus, Bacillus subtilis, Extract of Reynoutria sachalinensis, Hydrogen Dioxide, Neem Oil, Streptomyces lydicus</i>
Leaf Spots		Neem Oil
Nematode	1,3-Dichloropropene, Chloropicrin, Metam-Potassium, Metam-Sodium, Sesame Oil	Azadirachtin
Powdery mildew	Azoxystrobin, Potassium Phosphite, Triflumizole, Potassium Salts of Fatty Acids, Propiconazole	<i>Bacillus pumilus, Bacillus subtilis, Extract of Reynoutria sachalinensis, Hydrogen Dioxide, Neem Oil, Potassium Bicarbonate, Streptomyces lydicus, Sulfur</i>

Parsley Insect Pests and Common Name of Insecticidal Controls

INSECT	INSECTICIDE*	OMRI LISTED INSECTICIDE**
Aphid	Acetamiprid, Imidacloprid, Malathion, Permethrin, Potassium Salts of Fatty Acids, Spirotetramat, Thiamethoxam, Zeta-Cypermethrin	Azadirachtin, Garlic Juice Extracts
Armyworm	Carbaryl, Flubendiamide, Spinetoram, Thiodicarb, Zeta-Cypermethrin	Azadirachtin, <i>Bacillus thuringiensis</i> , Garlic Juice Extracts, Pyrethrins, Spinosad
Beetle		Azadirachtin, Garlic Juice Extracts, Pyrethrins
Weevil		Azadirachtin, Garlic Juice Extracts

Weeds and Common Name of Herbicidal Controls

WEED	HERBICIDE*	OMRI LISTED HERBICIDE**
Preplant incorporated	DCPA, Bensulide, Trifluralin	Corn Gluten Meal
Preemergence		
Postemergence	Carfentrazone, Paraquat, Sethoxydim, Glyphosate, Pelargonic Acid, Clethodim, Clopyralid	D-Limonene, Clove Oil, Cinnamon and Clove Oil

* The above is a partial listing of controls intended as examples. Some labels may have been revoked since the publication of this guide. Refer to product labels for specifics and use accordingly. Ensure that products with one of the listed active ingredients are registered for the crop it is to be used on. Failure to do the above may result in crop injury, death and/or citation for law violation. Humans, animals and the environment may also be adversely affected by misuse.

** As stated in §205.206 of the National Organic Standards, pest management decisions should follow a hierarchical approach, which should be defined in a farm's organic systems plan. Please ensure that you have followed the appropriate steps and any product to be used in certified organic production systems has been approved by your certifying agent.

Harvest

Days after planting	70-80 days
Normal method	Hand clipped and bunched
Packaging/Handling	5 dozen bunches per carton (20-22 lbs)
Anticipated yield/acre	100-200 field crates per acre (100 bunches per crate)

Transit Conditions

32°F at 95-100% RH; shelf-life 8-10 weeks.

Comments/Production Keys

- Parsley is a shallow rooted crop requiring uniform soil moisture levels. Water stress will reduce leaf growth development, restricting yields.
- Good weed control a must due to plant growth habit and harvest methods
- Moderately susceptible to ozone injury
- Multiple harvests with approximately 30 days on regrowth
- Boron tolerance up to 6 ppm in irrigation water
- Market demands product to be dark green, fresh in appearance, and free from defects, seed stems and decay