

Optimum Temperatures for Different Vegetables

| | Optimum T° | Minimum | Maximum | Vegetable |
|-------------|------------|---------|---------|---|
| Cool Season | 55-75° | 45° | 85° | Chicory, chive, garlic, leek, onion, shallot |
| | 60-65° | 40° | 75° | Arugula, beet, broccoli, Brussels sprouts, cabbage, chard, collards, horseradish, kale, kohlrabi, pak choi, radish, spinach, turnip |
| | 60-65° | 45° | 75° | Artichoke, carrot, cauliflower, celery, Chinese cabbage, coriander/cilantro, endive, lettuce, mustard, parsley, peas, potato |
| Warm Season | 60-70° | 50° | 80° | Lima bean, snap bean |
| | 60-75° | 50° | 95° | Sweet corn, black-eyed pea (cowpea), New Zealand spinach, popcorn |
| | 65-75° | 50° | 90° | Chayote, pumpkin, squash |
| | 65-75° | 60° | 90° | Cucumber, cantaloupe |
| | 70-75° | 65° | 80° | Sweet pepper, tomato |
| | 70-85° | 65° | 95° | Eggplant, Ceylon spinach, chili pepper, okra, roselle, sweet potato, watermelon |

Rooting Depths for Different Vegetables

| Shallow (12-18") | Moderately deep (18-24") | Deep (>24") |
|------------------|--------------------------|---------------|
| broccoli | bush & pole beans | artichoke |
| Brussels sprouts | beet | asparagus |
| cabbage | cantaloupe | Lima bean |
| cauliflower | carrot | okra |
| celery | chard | parsnip |
| Chinese cabbage | cucumber | pumpkin |
| collards | eggplant | rhubarb |
| corn | kale | sweet potato |
| endive | mustard | tomato |
| garlic | peas | watermelon |
| leek | peppers | winter squash |
| lettuce | summer squash | |
| onion | turnip | |
| parsley | | |
| potato | | |
| radish | | |
| spinach | | |
| strawberry | | |



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General Planting Guidelines for Cool Season Vegetables in the Foothills

- Artichoke: Nov – March (bare root)
- Carrots: August to Oct., Feb to April
- Beets: Aug/Sept for fall harvest, late Oct. low elevations, Feb/March
- Chives: anytime
- Garlic: Oct/Nov. then Feb/March
- Green onions: Oct. to May
- Lettuces & greens: Sept/Oct to March
- Parsley: Nov. to May
- Potato: August/Sept., Feb to May
- Radish: anytime
- Rhubarb: Dec. to March

Fall/winter planting only:

- Cole crops: August >2000 feet, Sept. <2000 feet
- Onions: Aug. thru Nov.
- Peas: Sept to February
- Spinach: Sept to Jan/Feb.



References

Knott's Handbook for Vegetable Growers. O.A. Lorenz and D. N. Maynard.

Tropical Crops: Dicotyledons. J.W. Purseglove.

Vegetable Crop Irrigation. D. C. Sanders. North Carolina State University. <http://www.ces.ncsu.edu/depts/hort/hil/hil-33-e.html>



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