

SEED GERMINATION TEMPERATURES

Plant	Optimum soil temperature (°F) for germination	Days to germinate at optimum temperature	Weeks to transplant size (from sowing)	Spring Setting Out		Comments
				Weeks before last frost	Weeks after last frost	
Asparagus	60-85	21	52 weeks before transplanting in permanent bed.	4-6	Fall planting preferred in some areas.	Perennial.
Bean, lima	85	7-10	3-4	0	1-2	Set out when soil is warm and dry.
Beans, snap	75-80	7	3-4	0	8	
Beet 75		7-14	4	4	..	
(Broccoli 6C-75		5-10	6-8	4	2-3	
Brussels sprout	68-75	5-10	6-8	4	2-3	
Cabbage, heading	68-75	5-10	6-8	5	2-3	
Cantaloupe	60-65	7-10	3-4	0	3	Can't transplant. Plant in degradable pot.
Ca-rot	75	12-14	5-6	4	...	Seed continuously during summer.
Cauliflower	68-86	5-10	6-8	4	2	
Celeriac	60-65	4-5	12	3	0	Biennial.
Celery	68-76	10-14	6-8	3	3-4	
Collard	68-76	4-10	6-8	4	2	
Corn	70-86	7-10	4	2-3	0	
Cucumber	70-86	7-10	4	8	0	
Eggplant	70-86	10	6-8	2-3	0	
Endive	68-75	10-14	4-8	2	4	Better as fall crop; plant 12-14 weeks before frost date.
Garden cress	68-70	5-10	1	2	4	Good fall crop; plant all season up to frost date.
Garlic	60-68	5-10	4-6	1	2-4	Annual in North, perennial in South.
Kale	68-75	5-10	6-8	2	5	Good fall crop; harvest after frost; usual iv direct-seeded.
Kohlrabi	68-75	5-10	6-8	2	5	
leek	68-70	10-14	4-6	2	5	
Lettuce	68-70	7-10	4-6	3	2	Often direct-seeded.
Melon	80-86	4-10	4	2-3	0	Slow to mature.
Mustard greens	68-70	5-10	4-6	2	5	

Okra	80-86	7-14	6-8	3-4	0	Usually direct-seeded.
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Onion	68-70	10-14	4-6	6	2	Versatile; can winter over; onion sets same date.
Onion, bunching	60-68	10-14	4-6	4-5	2	Cool-weather vegetable.
Parsie	65-70	11-28	4-6	4-6	4-6	Frost tolerant; often direct-seeded.
Parsni	68-70	14-21	4-6	4	3-4	
Pea	65-70	7-14	4	6-8	2-3	Good fall crop; plant 12-14 weeks before frost date.
Peanut	75-80	7-14	4-6	0	0	Slow maturing; in north, plant at frost-free date.
Pepper	75-85	10	6-8	0	2-3	
Potato	65-70	10-14		6	2-3	Plant sprouted pieces.
Pumpkin	68-75	7-10	4	0	...	Usually direct-seeded; plant all summer.
Radish	65-70	5-7	3	6	...	Sow in successions every 10 days throughout season.
Rhubarb	50-75	30	52 weeks before transplanting in permanent bed.	2-4 weeks seeds or crowns	4; or in fall.	Perennial, harvest from 3-year-old plants.
Rutabaga	65-70	7-15	4-6	6	0	Usually planted for fall crop; sow 18 weeks before frost date.
Salsify	65-70	7-20	4-6	6	2	Will winter over.
Spinach	68-70	7-14	4-6	3-6	0	
Spinach, New Zealand	70-75	7-14	4-6	0	1 or more	A warm-weather vegetable.
Squash, summer	70-85	7-14	4	0	4-8	
Squash, winter	70-85	7-14	4	0	3-4	
Sunflower	70-75	7-14	4-6	0	2-3	
Sweet potato	75-85	18	6-8	0	2-3	Usually grown from piece of potato.
Swiss chard	68-75	7-14	4	3-4	...	Plant all summer.
Tomato	75-80	7-14	6-10	0	4	May be planted earlier with protection.
Turnip	65-70	7-14	3-4	4	...	Usually planted midsummer for fall crop.