

## Seed Germination Reference Chart

Vegetable	Federal minimum germination percent	Relative longevity at <75F (years)	Optimum Germination Time (days)
Artichoke, globe	60	5	10-14
Asparagus	70	3	10
Asparagus bean	75	3	5-7
Bean, garden	70	3	6
Bean, lima	70	3	7
Bean, runner	75	3	8-12
Beet	65	4	5
Broad Bean (Fava)	75	4	5-10
Broccoli	75	3	5
Brussels sprouts	70	4	5
Burdock, great	60		
Cabbage	75	4	4
Cabbage, tronchuda	70		
Cardoon	60	5	10-14
Carrot	55	3	5
Cauliflower	75	5	5
Celeriac	55	3	11
Celery	55	3	7
Chard, Swiss	65	4	4
Chicory	65	4	6
Chinese cabbage	75	3	4
Chives	50	1	14
Citron	65	4	3-5
Collards	80	4	5-10
Corn, sweet	75	2	3
Cornsalad	70	4	7-10
Cowpea	75	5	5-7
Cress, garden	75	5	
Cress, upland	60	5	
Cress, water	40	5	
Cucumber	80	5	2-5
Dandelion	60		
Dill	60	4	7-10
Eggplant	60	4	6-8
Endive	70	5	6
Kale	75	4	4
Kale, Chinese	75	4	4
Kale, Siberian	75	4	4



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Kohlrabi	75	3	4
Leek	60	2	7
Lettuce	80	5	2-3
Melon	75	5	3-4
Mustard, India	75	4	3-10
Mustard, spinach	75	4	3-10
Okra	50	2	6
Onion	70	1	4-5
Onion, Welsh	70	1	4-5
Pak-choi	75		5-10
Parsley	60	1	13
Parsnip	60	1	14
Pea	80	3	6
Pepper	55	2	8
Pumpkin	75	4	4
Radish	75	5	4
Rhubarb	60	1	
Rutabaga	75	4	4
Sage	60		
Salsify	75	1	6
Savory, summer	55		
Sorrel	65		14-21
Soybean	75		5-7
Spinach	60	3	5
Spinach, New Zealand	40	3	6
Squash	75	4	4
Tomato	75	4	6
Tomato, husk (Tomatillo)	50	3	5-7
Turnip	80	4	3
Watermelon	70	4	4-6

Please note: This chart does not address loss of seed vigor in storage, which can affect the ability of the seed to produce normal seedlings. Seeds typically lose vigor in storage before they lose the ability to germinate.

[United States Federal Seed Act Regulations](http://www.ecfr.gov/cgi-bin/text-idx?SID=3504a6e52af2ae7b64336b52c520e0c4&node=pt7.3.201&rgn=div5#sg7.3.201.sg0)

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