



Soil Temperatures for Vegetable Seed Germination

Please note that there are minimums and maximums listed. Optimum is best for good germination.

Vegetable	Minimum °F	Optimal Range °F	Optimum °F	Maximum °F
Asparagus	50	60-85	75	95
Beans, Lima	60	65-85	85	85
Beans, Snap	60	65-85	80	95
Beets	40	50-85	85	95
Cabbage	40	45-95	85	100
Carrots	40	45-85	80	95
Cauliflower	40	45-85	80	100
Celery	40	60-70	70*	85*
Corn	50	60-95	95	105
Cucumbers	60	65-95	95	105
Eggplant	60	75-90	85	95
Lettuce	35	40-80	75	85
Muskmelon	60	75-95	90	100
Okra	60	70-95	95	105
Onions	35	50-95	75	95
Parsley	40	50-85	75	90
Parsnips	35	50-70	65	85
Peas	40	40-75	75	85
Peppers	60	65-95	85	95
Pumpkins	60	70-95	95	100
Radishes	40	45-90	85	95
Spinach	35	45-75	70	85
Squash	60	70-95	95	100
Swiss Chard	40	50-85	85	95
Tomatoes	50	60-85	85	95
Turnips	40	60-105	85	105
Watermelon	60	70-95	95	105

*Daily fluctuation to 60°F at night is essential. Simply move containers to a cooler spot.

Seeds that have shorter growing seasons and need temperatures below 60°F may be directly sown in the garden. Use a soil thermometer to track your garden's soil temperature.

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