

Seed Germination

Optimal Soil Temperature Range



Optimal soil temperatures for germination of common vegetable seeds.

Seed	Optimum Range (F)	Optimum Range (C)	Seed	Optimum Range (F)	Optimum Range (C)
Amaranth	68-75	20-24	Kale	65-85	18-29
Artichoke	70-80	21-27	Kohlrabi	65-85	18-29
Arugula	50-70	10-21	Leek	60-85	16-29
Asparagus	60-85	16-29	Lettuce	40-80	4-27
Bean	60-85	16-29	Mache	40-68	4-20
Bean, Fava	40-75	4-24	Melons	75-95	24-35
Bean, Lima	65-85	18-29	Mustard	60-75	16-24
Beet	50-85	10-29	Okra	70-95	21-35
Bok Choy	75-85	24-29	Onion	50-95	10-35
Broccoli	60-85	16-29	Parsley	50-85	10-29
Brussel Sprouts	60-85	16-29	Parsnip	50-70	10-21
Cabbage	45-95	7-35	Pea	40-75	4-24
Carrot	45-85	7-29	Pepper	65-95	18-35
Cauliflower	45-85	7-29	Pumpkin	70-90	21-32
Celery	60-70	16-21	Radicchio	60-75	16-24
Chard, Swiss	50-85	10-29	Radish	45-90	7-32
Collards	75-85	24-29	Rutabaga	60-80	16-27
Corn	60-95	16-35	Spinach	45-75	7-24
Cucumber	60-95	16-35	Squash	70-95	21-35
Edamame	70-85	21-29	Tomatillo	80-85	27-29
Eggplant	75-90	24-32	Tomato	70-95	21-35
Endive	60-70	16-21	Turnip	60-105	16-41
Fennel	60-75	16-24	Watermelon	70-95	21-35