

Soil Germination Conditions (Soil Temperatures)

Plant	Minimum	Optimum Range	Optimum	Maximum
Beet	40	50-85	85	95
Cabbage	40	45-95	85	100
Carrot	40	45-85	80	95
Cauliflower	40	45-85	80	100
chard	40	50-85	85	95
Corn	50	60-95	95	105
Cucumber	60	60-95	95	105
Eggplant	60	75-90	85	95
Peppers	60	65-95	85	95
Lettuce	35	40-80	75	85
Onion	35	50-95	75	95
Parsley	40	50-85	75	90
Pea	40	40-75	75	85
Pumpkin	60	70-90	95	100
Radish	40	45-90	85	95
Spinach	35	45-75	70	85
Squash	60	70-95	95	100
Tomato	50	60-85	85	95
Turnip	40	60-105	85	105
Watermelon	60	70-95	95	105

Growing Conditions (Air Temperatures)

Plant	Crop Season	Temperature Range	Optimal Temperature Range
Beet	Cool-Season	40 F-75 F	(60-65 F)
Broccoli	Cool-Season	40 F-75 F	(60-65 F)
Brussels sprouts	Cool-Season	40 F-75 F	(60-65 F)
Cabbage	Cool-Season	40 F-75 F	(60-65 F)
Carrot	Cool-Season	45-75 F	(60-65 F)
Cauliflower	Cool-Season	45-75 F	(60-65 F)
chard	Cool-Season	40 F-75 F	(60-65 F)
Corn	Warm-Season	50-95 F	(60-75 F)
Cucumber	Warm-Season	60-90 F	(65-75 F)
Eggplant	Hot-Season	65-95 F	(70-85 F)
Kale	Cool-Season	40 F-75 F	(60-65 F)
Kohlrabi	Cool-Season	40 F-75 F	(60-65 F)
Leek	Cool-Season	45-85 F	(55-75 F)
Lettuce	Cool-Season	45-75 F	(60-65 F)
Lettuce	Cool-Season	45-75 F	(60-65 F)
Onion	Cool-Season	45-85 F	(55-75 F)
Pea	Cool-Season	45-75F	(60-65 F)
Peppers	Hot-Season	65-95 F	(70-85 F)
Potato	Cool-Season	45-75F	(60-65 F)

Pumpkin	Warm-Season	50-90 F	(65-75F)
Radish	Cool-Season	40 F-75 F	(60-65 F)
Spinach	Cool-Season	40 F-75 F	(60-65 F)
Squash	Warm-Season	50-90 F	(65-75 F)
Tomato	Hot-Season	65-85 F	(70-75 F)