

SOIL TEMPERATURE CONDITIONS FOR VEGETABLE SEED GERMINATION

Alphabetical				By Temperature			
Crop	Minimum (°F)	Optimum(°F)	Maximum (°F)	Crop	Minimum (°F)	Optimum(°F)	Maximum (°F)
Asparagus	50	75-85	95	Garlic	32	65-85	95
Beans, Lima	60	75-85	85	Leeks	32	65-85	95
Beans, Snap	60	75-85	95	Lettuce	32	60-75	85
Beets	40	65-85	95	Onions	32	65-85	95
Broccoli	40	60-85	95	Parsnips	32	65-75	85
Cabbage	40	60-85	95	Spinach	32	65-75	75
Carrots	40	65-85	95	Beets	40	65-85	95
Cauliflower	40	65-85	95	Broccoli	40	60-85	95
Celery	40	*	*	Cabbage	40	60-85	95
Chard, Swiss	40	65-85	95	Carrots	40	65-85	95
Com	50	65-95	105	Cauliflower	40	65-85	95
Cucumbers	60	65-95	105	Celery	40	*	*
Eggplant	60	75-85	95	Chard, Swiss	40	65-85	95
Garlic	32	65-85	95	Parsley	40	65-85	95
Leeks	32	65-85	95	Peas	40	65-75	85
Lettuce	32	60-75	85	Radishes	40	65-85	95
Melons	60	75-85	105	Turnips	40	60-95	105
Okra	60	85-95	105	Asparagus	50	75-85	95
Onions	32	65-85	95	Com	50	65-95	105
Parsley	40	65-85	95	Tomatoes	50	65-85	95
Parsnips	32	65-75	85	Beans, Lima	60	75-85	85
Peas	40	65-75	85	Beans, Snap	60	75-85	95
Peppers	60	65-75	95	Cucumbers	60	65-95	105
Pumpkins	60	85-95	105	Eggplant	60	75-85	95
Radishes	40	65-85	95	Melons	60	75-85	105
Spinach	32	65-75	75	Okra	60	85-95	105
Squash	60	85-95	105	Peppers	60	65-75	95
Tomatoes	50	65-85	95	Pumpkins	60	85-95	105
Turnips	40	60-95	105	Squash	60	85-95	105
Watermelons	60	75-95	105	Watermelons	60	75-95	105

Source of Info: Cooperative Extension-Sacramento County

<http://sacmg.ucanr.edu/files/164220.pdf>