

SOW RIGHT SEEDS

SOIL TEMPERATURES FOR VEGETABLE SEED GERMINATION

CROPS	MIN (°F)	OPTIMUM RANGE (°F)	MAX (°F)
Asparagus	60	75 - 85	90
Beans, Lima	65	65 - 75	85
Beans, Snap	60	65 - 80	90
Beets	50	60 - 75	85
Broccoli	50	60 - 75	85
Cabbage	60	70 - 85	95
Carrots	45	65 - 85	95
Cauliflower	50	60 - 75	90
Celery	40	*	*
Chard, Swiss	40	65 - 80	95
Corn	55	65 - 85	95
Cucumbers	60	65 - 80	95
Eggplant	60	75 - 85	95
Garlic	32	65 - 85	95
Leeks	45	55 - 65	90
Lettuce	40	50 - 65	85
Muskmelons (Cantaloupe)	60	70 - 80	100
Okra	60	70 - 80	95
Onions	45	50 - 75	95
Parsley	40	65 - 70	95
Parsnips	32	65 - 75	85
Peas	40	45 - 70	85
Peppers	60	75 - 85	95
Pumpkins	60	70 - 90	105
Radishes	50	55 - 75	95
Spinach	32	50 - 70	75
Squash	60	65 - 75	105
Tomatoes	60	70 - 80	95
Turnips	40	55 - 75	90
Watermelons	60	70 - 85	105

www.sowrightseeds.com

Source: California Master Gardener Handbook, 2nd edition, Regents of the University of California, Division of Agriculture and Natural Resources, Publication 3382 (Table 5.2, page 114).

*Note: Celery requires diffuse light and a night temperature from 10° to 15°F lower than the day temperature for good germination. Optimal conditions are 85°F day, 70°F night with diffuse light and high moisture.