Seed Germination Temperature Range (°F)

Soil Temperature - Degrees Fahrenheit

Variety	40	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80	82	84	86	88	90	95	99	105
Asparagus											x	x	x	x	x	x	x	x	x	x	x	x	x						
Basil														x	x	x	x	x	x	x	x	x	x						
Bean											x	x	x	x	x	x	x	x	x	x	x	x	x						
Blackberry														x	x	x	x	x											
Black Cherry																x	x	x	x	x	x								
Blueberry	<															x	x	x											
Chives											x	x	x	x	x	x													
Collard				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x										
Coriander/Cilantro									x	x	x	x	x	x	x	x													
Corn											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Cosmos																x	x	x											
Cotton														x	x	x	x	x	x	x	x	x	x						
Cucumber											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Dill											x	x	x	x	x	x													
Eggplant																			x	x	x	x	x	x	x	x			
Elderberry	<														x	x	x	x	x										
Gourds																x	x	x	x	x	x	x	x	x	x	x			
Grape (muscadine)	<													x	x	x	x	x	x										
Ground Cherry													x	x	x	x	x	x	x	x	x	x	x	x					
Leek													x	x	x	x	x	x	x										
Lettuce	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x								
Marigold																x	x	x											
Melons																			x	x	x	x	x	x	x	x			
Mint															x	x	x	x											
Mustard								x	x	x	x	x	x	x															
Okra																x	x	x	x	x	x	x	x	x	x	x	x		
Onion						x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Oregano																	x	x	x										
Parsley						x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x						
Parsnip						x	x	x	x	x	x	x	x	x	x	x													
Pea (sweet)	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x											
Pea (southern)																x	x	x	x	x	x	x	x	x	x	x	x		
Pepper											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Pumpkin																x	x	x	x	x	x	x	x	x	x	x			
Radish				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			
Sage											x	x	x	x	x	x													
Senna																x	x	x	x	x	x								
Sorghum																x	x	x	x	x	x	x	x	x	x	x			
Squash																x	x	x	x	x	x	x	x	x	x	x	x		
Strawberry															x	x	x	x	x										
Sumac (flameleaf)						x	x	x	x	x	x	x	x	x	x	x	x	x	x										
Sunflower																x	x	x	x	x	x	x	x						
Thyme											x	x	x	x	x	x	x	x											
Tobacco																			x	x	x	x	x	x	x	x	x		
Tomatillo											x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		
Tomato											x	x	x	x	x	x	x	x	x	x	x	x	x						
Turnip				x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Zinnia																**x**	**x**	**x**	**x**	**x**	**x**	**x**	**x**						

* < = requires cold stratification