

Using Seeds for Texas Vegetable Gardens

Plant	Germination Light Requirement	Germination Temperature (°F)	Days to Germination	Preferred Growing Temperature Range (°F)	Weeks for Growing Transplants	Days to Harvest
<i>Warm Season Vegetables</i>						
Bean, Bush	Dark	60-85	5-10	50-80	NO	45-60
Bean, Pole	Dark	60-85	5-10	50-80	NO	60-70
Cantaloupe	Dark	75-95	7	60-90	2-4	85-100
Corn	Dark	60-95	5-8	50-95	NO	70-90
Cucumber	Dark	60-95	6-10	60-90	2-4	50-70
Eggplant	Dark	75-90	6-14	65-80	6-8	80-90
Okra	Dark	70-95	4-14	65-95	NO	55-65
Pepper	Dark	65-95	9-14	65-95	7-8	60-90
Pea, Southern	Dark	68-86	5-10	50-95	NO	60-70
Potato, Irish	NA	NA	NA	45-75	NO	75-120
Pumpkin	Dark	70-90	5-10	50-90	2-4	75-100
Squash	Dark	70-95	4-6	60-90	2-4	50-60
Squash, Butternut	Dark	70-90	6-12	60-90	2-4	100-105
Squash, Spaghetti	Dark	70-90	10-14	50-90	2-4	75-88
Squash, Acorn	Dark	70-90	10-14	60-90	2-4	80-92
Soybean	Dark	68-86	5-8	50-85	NO	75-104
Sweet Potato	NA	NA	NA	65-95	6-8*	100-130
Tomato	Dark	60-85	6-12	65-80	5-6	50-90
Tomatillo	Dark	68-86	7-14	65-80	5-8	60-70
Watermelon	Dark	70-95	6-8	60-90	2-4	80-100
<i>Cool Season Vegetables</i>						
Asparagus	Dark	60-85	7-21	45-75	NA	730
Artichoke	Dark	70-80	7-21	45-75	8-9	75-120

*Start "slips" using a sweet potato.

Plant	Germination Light Requirement	Germination Temperature (°F)	Days to Germination	Preferred Growing Temperature Range (°F)	Weeks for Growing Transplants	Days to Harvest
Beet	Dark, presoak for 2 hrs	50-85	7-10	40-75	NO	50-60
Broccoli	Dark	68-86	10-14	50-70	4-8	60-80
Cabbage	Dark	45-95	5-10	50-70	5-7	60-110
Carrot	Dark	45-85	12-18	45-75	NO	70-80
Cauliflower	Dark	45-85	5-10	55-70	4-8	70-90
Garlic	NA	NA	NA	45-85	NA	140-150
Lettuce	Light	40-80	6-8	60-70	4-6	40-80
Kale	Dark	68-86	10	40-75	4-6	50-80
Kohlrabi	Dark	68-86	5-10	40-75	NO	55-75
Onion	Lightly Covered	50-95	7-14	45-70	10-12	80-120
Peas, English	Dark	40-75	6-10	45-75	NO	55-90
Radish	Dark	45-90	3-6	40-75	NO	25-40
Spinach	Dark	45-75	7-12	40-75	NO	40-60
Swiss Chard	Dark, presoak for 2 hrs	50-85	7-14	40-75	5-6	44-55
Turnip	Dark	60-105	4-8	40-75	NO	30-60
<i>Herbs</i>						
Oregano	Light	60	7-14	50-80	8-10	80-90
Basil	Dark	65-70	5-10	50-80	6-8	65-80
Mint	Dark	65-70	7-14	55-95	6-8	73
Dill	Dark	65-70	7-21	65-75	NA	40-55; 95-115
Parsley	Dark	50-85	14-30	45-75	10-12	70-90
Cilantro	Dark	55-68	7-10	50-85	10-12	50-55

First edition, Jan. 2018. This chart was compiled by Elizabeth McMahon, AgriLife Extension Gillespie County CEA-HORT. Chart was compiled with information from: "Vegetable Seeds and Seed Information" HORT 325 Lecture supplement, by Mark Krause, Texas A&M University., "Texas Home Vegetable Gardening Guide", by Dr. Parsons and Dr. Joseph Masabni, Texas AgriLife Extension., "Soil Temperature Conditions for Vegetable Seed Germination (in degrees F) by J.F. Harrington, University of CA at Davis., Knott's Handbook for Vegetable Growers 5th edition, by D.N. Maynard and G.J. Hochmuth John Wiley and Sons., Grower information from Johnny's Selected Seeds and "Peppermint (Western Oregon) by Hart et al., Oregon State University Extension.