

Vegetable Growing Vital Statistics

Family	Species	Soil	pH	Soil temperature for germination F degrees <u>day</u> ; <u>night</u>	Air temperature for best growth F degrees <u>day</u> ; <u>night</u>	Seed		
						Viability (years)	Germination (days)	Planting depth (inches)
Compositae	<i>Lactuca sativa</i> Lettuce	Very rich organic heavy or light	5.8 – 7.0	35 - 80	73d; 45n	1 - 6	3 - 7	1/4
	<i>Spinacia oleracea</i> Spinach		6.0 – 6.5	35 - 75	60 – 65d 40-45n	3	6 - 12	1/2
Cruciferae	<i>Brassica oleracea</i> Cabbage	Slightly heavy loam	6.0 - 7.5 6.5 – 7.0 (cauliflower)	45 – 85 55 – 85 (cauliflower)	60 - 65	3 - 4	4 - 20	1/2
Amaryllidaceae	<i>Allium cepa</i> Onions	Rich organic	6.0 – 6.8	50 – 85 75 optimum	70 - 80	2	4 - 13	1/4 - 1/2
Cruciferae	<i>Raphanus sativus</i> Radishes	Loose well drained sandy loam	6.0 – 6.5	45 – 95 85 optimum	45 - 75 60 – 65 optimum	5	3 - 10	1/2 – 1 1/2
			6.5 – 8.0	50 – 85 85 optimum		4	7 - 14	1/2 - 1
Chenopodiaceae	<i>Beta vulgaris</i> Beets Swiss Chard	Loose well drained sandy loam	6.0 – 6.5	45 – 85 80 optimum	45 - 75 60 – 65 optimum	3	7 - 14	1/4
Umbelliferae	<i>Daucus carota</i> Carrots							

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Solanaceae	<i>Solanum tuberosum</i> Potatoes	Sandy loam good drainage	5.0 – 8.0 5.5 or lower for scab problem	50 – 70 64 optimum	60 – 80d 45 – 60n lower than 30 kills vine	1/2	-	8
Legumino- sae	<i>Phaseolus vulgaris</i> Green and dry beans	Well drained sandy loam	Snap and dry 6.0 – 7.0 6.4 optimum	Snap and dry 60 – 85 Lima 70 – 85	60 – 70; 80 max	3	6 - 17	2
	<i>Phaseolus lunatus</i> Lima beans		Lima 6.0 – 6.5 6.2 optimum					
	<i>Pisum sativum</i> Peas		5.5 – 6.8	40 -75 75 optimum	55 - 70			
Gramineae	<i>Zea mays rugosa</i> Sweet corn <i>-praecox</i> Popcorn	Any good rich	5.5 – 6.8	60 - 95	60 min 75 – 90 95 max	1-2	3 - 12	2 -3

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						Viability (years)	Viability (years)	Viability (years)
Solanaceae	<i>Lycopersion esculentum</i> Tomatoes	Sandy loam well drained	6.0 – 6.8	60 - 75	70 – 75d 50 – 55n	5 - 7	5 - 14	1/2
	<i>Capsicum annum</i> Peppers	Deep loose and rich	5.5 – 7.0	60 – 95 85 optimum	75 – 85d 50 – 65n	2 - 4	6 - 28	1/2
Cucurbitaceae	<i>Cucumbis sativis</i> Cucumbers <i>Cucurbita sp.</i> Squash, pumpkins <i>Cucumis melo</i> Muskmelons <i>Citrullus lanatus</i> Watermelon	Rich and loose	7.0 Do poorly in acid soil	65 – 100 85 – 95 optimum	65 – 75 70 - 85	2 - 5	3 - 10	1/2- 1