

Soybean – *Glycine max*

Key Cultivars:

Climate Risk Notes:

	<i>Key Months for Crop Development and Thresholds</i>											
	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
Stage of growth <i>(under current conditions)</i>					Planting ^{a, d}	Planting, Germination ^{a, d, n}	Vegetative phase ^{j, n}	Reproductive phase ^{j, n}	Reproductive phase ^{j, n}	Reproductive phase ^{j, n}	Harvest ^{i, n}	Harvest ^{j, n}
Min Temp (°F)					40 ^{a, k, n}	40 ^{a, k, n}	50 ^{b, f, k}	50 ^{b, f, k}	50 ^{b, f, k}	50 ^{b, f, k}	28 ^{b, f, l}	28 ^{b, f, l}
Max Temp (°F)					70 ^{a, k, n}	70 ^{a, k, n}	82 ^{a, e, f}	100 ^{a, e, f}	100 ^{a, e, f}	100 ^{a, e, f}	100 ^{a, e, f}	100 ^{a, e, f}
Ideal Precipitation <i>(in/week)</i>					0.7 ⁱ	0.7 ⁱ	0.7 ⁱ	1.4-1.75 ⁱ	1.4-2.45 ⁱ	1.75-2.45 ⁱ	0.3-1.4 ⁱ	0.3-1.4 ⁱ

<i>Climate</i>									<i>Soil</i>						
Min Optimal Temp (°F)	Max Optimal Temp (°F)	Min Absolute Temp (°F)	Max Absolute Temp (°F)	Germination Soil Temp (°F)	Growing Degree Days (50°F base)	Chilling Hours (32-45 °F)	Min Rainfall (in/week)	Max Rainfall (in/week)	Min pH	Max pH	Optimal Soil Texture	Absolute Soil Texture	Optimal Soil Drainage	Absolute Soil Drainage	Soil Depth (in)
50 ^{b, f, k}	82 ^{a, e, f}	28 ^{b, f, l}	100 ^{a, e, f}	40-70 ^{a, k, n}	200 until emerging ^{a, j, n}	NA	0.5 ^{b, i, l}	4 ^{b, i, l}	6 ^{b, l, m}	7 ^{b, l, m}	Loam, sandy loam, loamy sand, sandy clay loam, silt loam, silty clay loam ^{b, c, l}	Sand, clay loam, clay, silt, silty clay ^{b, d, l}	Well drained, moderately well drained ^{b, d, g}	Somewhat excessively drained, somewhat poorly drained ^{b, d, g}	36 ^{d, h, i}

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