

Green (snap) Beans – *Phaseolus vulgaris*

Key Cultivars:

Key green bean cultivars are changing very rapidly in response to different climate conditions each year and changing market demand. Currently, cultivars with high yield are often prioritized.

Climate Risk Notes:

Sudden changes in temperature causes physiological stress on plants, making them more susceptible to pest & disease outbreaks in single species cropping systems. Integrated pest & disease management in a changing climate is recommended.

	Key Months for Crop Development											
	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
Stage of growth: sole crop (under current conditions)					Planting f, h, k	Planting, Emergence f, h, k	Emergence, Vegetative Growth f, h, k	Flowering, Harvest f, h, k	Harvest f, h, k			
Stage of growth: double cropping (under current conditions)					Pea Planting e, k		Pea Harvest, Planting e, k	Planting, Emergence k	Emergence, Vegetative Growth e, k	Flowering, Harvest e, k	Harvest e, k	

Climate									Soil						
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 ^{a, g, i}	70 ^{a, g, i}	32 ^{a, c, i, k}	85 ^{a, g, j}	50-80 ^{b, f, i}	1200 ^{d, f, h, k}	NA	0.8 ^{a, b, c}	2.5 ^{a, b, c}	5.5 ^{a, c, f}	7.4 ^{a, c, f}	Sand, sandy loam, loamy sand ^{c, f, i}	Silt loam, clay loam, sandy clay loam, silty clay loam, peat ^{c, f, i}	Well drained ^{a, f, i}	Somewhat excessively drained, moderately well drained ^{a, f, i}	12 ^{a, g, i}

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