Carrots – *Daucus carota*

Key Cultivars:

- Imperator
- Nantes
- Danvers
- Chantenay

Climate Risk Notes:

Absolute maximum precipitation is very dependent on soil type and soil drainage. Additional information on the specifics of each soil type will need to be ascertained before determining more specific water requirements.

Different cultivars can have slightly different temperature and precipitation requirements. Additionally, the soil type that each type of carrot thrives in can vary. As the climate in Wisconsin changes, the different carrot cultivars that will be able to thrive will likely be subject to change.

	Key Months for Crop Development											
	DEC	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**
Stage of growth *(under current conditions)*					Planting [d]	Planting, Germination [d]	Germination, Root and leaf growth [d]	Root and leaf growth, Harvest [d]	Root and leaf growth, Harvest [d]	Harvest [d]		

**The model above is for early planted carrots. Currently in Wisconsin, carrots can also be planted in June and July and then harvested as late as October or November*

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 (40°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)**
60 [a, d, k]	72 [a, d, k]	35 [c, f, j]	85 [d, g, l]	40-85 [c, d, e]	1800 [e, g, i]	NA	1 [a, h, m]	3 [a, f, h, m]	5.5 [c, k, m]	7.5 [a, c, k]	Sand, sandy loam, loamy sand [a, d, h]	Loam, silt loam, clay loam, sandy clay, silty clay loam [a, h, k]	Well drained [b, c, m]	Somewhat excessively drained, moderately well drained [b, d, m]	24 [b, d, k]

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