

Cornelian Cherries – *Cornus mas*

Key Cultivars:

Early season (*August*)

- Elegant (Elehantnyi)
- Aliosha

Late season (*October*)

- Pioneer (Lukianovskiy)
- Red Star (Vydubetskiy)

Climate Risk Notes:

Excess humidity increases the prevalence of anthracnose, one of the main diseases that affects cornelian cherries.

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 (0-7 °F)	Min Rainfall (in/year)	Max Rainfall (in/year)	Min pH	Max pH	Optimal Soil Texture	Absolute Soil Texture	Optimal Soil Drainage	Absolute Soil Drainage	Soil Depth (in)
-5 ^{b, e, g, h}	75 ^{c, d, e}	-30 ^{e, g, h}	95 ^{c, e, h}	NA ^e	NA ^b	400 ^b	24 ^{d, e, f}	50 ^{d, e, f}	5 ^{e, f, h}	8 ^{e, f, h}	Loamy sand, sandy loam, loam, sandy clay loam, silt loam, silty clay loam ^{d, e, h}	Sand, clay, clay loam, silt, silty clay ^{a, f, h}	Well drained ^{a, g, h}	Somewhat excessively drained, moderately well drained, somewhat poorly drained ^{b, e, g, h}	30 ^{d, e, f}

	Key Months for Crop Development and Thresholds											
	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
Stage of growth (under current conditions)	Dormant ^{b, d, e, h}	Dormant ^{b, d, e, h}	Dormant ^{b, d, e, h}	Dormant, Bud development ^{b, d, e, h}	Flowering ^{b, d, e, h}	Flowering, Vegetative growth ^{b, d, e, h}	Vegetative growth, Fruiting ^{b, d, e, h}	Fruiting ^{b, d, e, h}	Fruiting, Harvest ^{b, d, e, h}	Harvest, Bud development ^{b, d, e, h}	Bud development ^{b, d, e, h}	Dormant ^{b, d, e, h}
Min Temp (°F)	-30 ^{e, g, h}	-30 ^{e, g, h}	-30 ^{e, g, h}	32 ^{c, d, e}	32 ^{c, d, e}	50 ^{c, d, e}	50 ^{c, d, e}	50 ^{b, c, d, e}	50 ^{c, d, e}	50 ^{c, d, e}	50 ^{c, d, e}	-30 ^{e, g, h}
Max Temp (°F)				95 ^{c, e, h}	95 ^{c, e, h}	95 ^{c, e, h}	95 ^{c, e, h}	95 ^{c, e, h}	85 ^{c, e, h}	85 ^{c, e, h}	85 ^{c, e, h}	
Ideal Precipitation (in/week)	0.3-0.5 ^d	0.3-0.5 ^d	0.3-0.5 ^d	0.6-1 ^d	0.6-1 ^d	0.6-1 ^d	0.6-1 ^d	0.6-1 ^d	0.6-1 ^d	0.3-0.5 ^d	0.3-0.5 ^d	0.3-0.5 ^d

References

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