

## Currants (red, pink, and white) – *Ribes spp.*

### Key Cultivars:

#### White

- White Imperial
- Blanca

#### Pink

- Pink Champagne

#### Red

- Red Lake
- Jonkeer van Tets

### Climate Risk Notes:

**The first two years** of development is when currants are most susceptible to stress. During this time, it is more important for temperature and precipitation to remain within the optimal rain

**Sun scalding** is a major issue for currants. To protect for sun scalding, overhead misting on days where temperatures go above 95°F can be used, but excessive liquid can cause currants to burst. Additionally, growing currants in shade can help reduce the risk of sun scalding

**Diseases** are spreading more rapidly do to changing climate factors. For currants, the prevalence white pine blister rust and powdery mildew have increased and will likely continue to increase as the environment continues to change.

### Key Months for Crop Development and Thresholds

	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV
<b>Stage of growth</b> (under current conditions)	Dormant <sup>a</sup>	Dormant <sup>a</sup>	Dormant <sup>a</sup>	Dormant, Bud break <sup>a</sup>	Planting, Bud break, Vegetative growth <sup>b, l, m</sup>	Planting, Vegetative growth, Flowering <sup>b, l, m</sup>	Flowering, Fruit set <sup>l, m</sup>	Fruit set, Harvest <sup>d, j, m</sup>	Harvest, Dormant <sup>d, j, m</sup>	Vegetative <sup>a, i</sup>	Vegetative <sup>a, i</sup>	Dormant <sup>a</sup>
<b>Min Temp (°F)</b>	-40 <sup>a, g, j</sup>	-40 <sup>a, g, j</sup>	-40 <sup>a, g, j</sup>	20 <sup>m</sup>	20 <sup>m</sup>	20 <sup>m</sup>	32 <sup>a</sup>	32 <sup>a</sup>	32 <sup>a</sup>	-40 <sup>a, g, j</sup>	-40 <sup>a, g, j</sup>	-40 <sup>a, g, j</sup>
<b>Max Temp (°F)</b>							95 <sup>a, g, k</sup>	95 <sup>a, g, k</sup>	95 <sup>a, g, k</sup>			
<b>Ideal Precipitation (in/week)</b>						1 <sup>i</sup>	1 <sup>i</sup>	1 <sup>i</sup>	1 <sup>i</sup>			

### 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 °C)	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)
40 <sup>g, i, j, k</sup>	86 <sup>a, j, k</sup>	-40 <sup>a, g, j</sup>	95 <sup>a, g, k</sup>	NA <sup>l, n</sup>	160-200 <sup>a, g, j</sup>	800 <sup>g, j, k</sup>	10 <sup>e, f</sup>	60 <sup>e, f</sup>	5.5 <sup>b, j, n</sup>	7 <sup>b, j, n</sup>	Loam, sandy clay loam, silt loam, silt loam, silty clay loam <sup>c, g, h</sup>	Sandy loam, clay, silt <sup>c, g, h</sup>	Well drained <sup>g, j, k</sup>	Somewhat excessively well drained, moderately well drained, somewhat poorly drained <sup>g, j, k</sup>	36 <sup>g, l, n</sup>

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