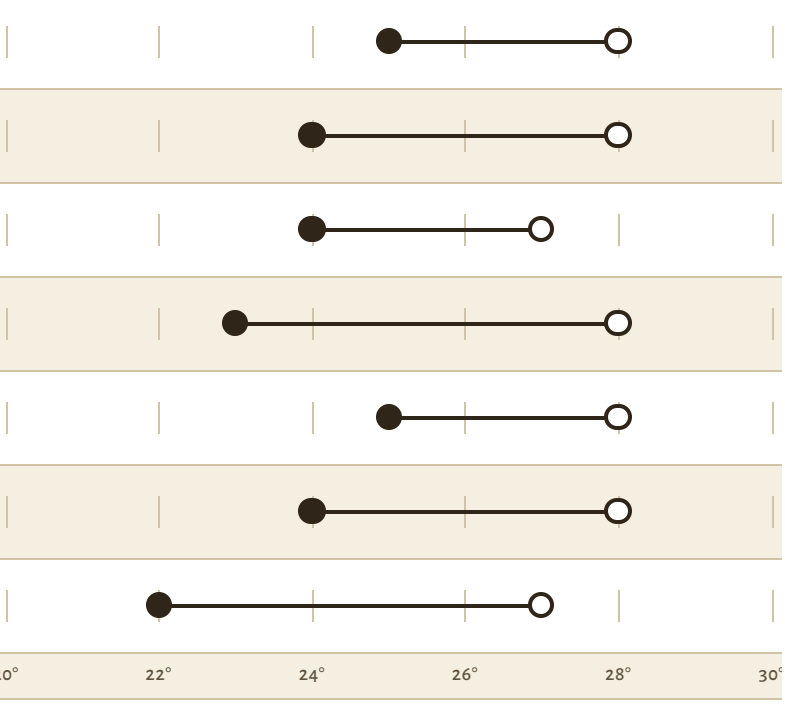
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Fruit Blossom Frost Chart

Temperatures that kill 10% and 90% of buds at full bloom, from Michigan State University Extension's compilation of the WSU and MSU bulletins.

Blossoms are most tender at full bloom. This chart compares 7 fruits at that stage; each fruit's own sheet gives every bud stage from swell to petal fall.

Fruit, at full bloom	10% killed	90% killed
Apples	28°F −2°C	25°F −4°C
Pears	28°F −2°C	24°F −4°C
Peaches	27°F −3°C	24°F −4°C
Plums	28°F −2°C	23°F −5°C
Sweet Cherries	28°F −2°C	25°F −4°C
Tart Cherries	28°F −2°C	24°F −4°C
Apricots	27°F −3°C	22°F −6°C



Reading the chart. At the 10% figure about one bud in ten is killed after 30 minutes of cold; at the 90% figure, about nine in ten. °C figures are conversions of the °F figures, rounded.

Your trees this spring

Tree	First bloom	Full bloom	Petal fall	Frost nights and notes

Source: Michigan State University Extension compilation of the WSU and MSU critical-temperature bulletins

Data as of 15 Nov 2026