

During each bloom, members of our Field Staff are asked about the critical temperatures that may cause damage to the bloom and developing crop. The data listed in the table below shows the percentage of damage that may be expected when unprotected tissue of several almond varieties are exposed for **30 minutes** to a range of temperatures. The data presented here are guidelines only. The actual damage within an orchard may vary with the actual exposed temperatures and your particular cultural practices.

Percentage of damage to almonds exposed for 30 minutes to cited temperature during various growth stages.

Variety and Stage	Temperature										
	30	29	28	27	26	25	24	23	22	21	20
Neplus											
Pink Tip	--	--	--	--	--	1	10	--	20	--	20
Pink Bud	--	--	--	--	0	70	90	90	90	90	--
Full Bloom	--	--	5	70	90	100	--	--	--	--	--
Small Nut	1	5	20	50	100	--	--	--	--	--	--
Sonora											
Green Bud	--	--	--	--	--	1	--	--	5	--	5
Pink Bud	--	--	--	--	--	20	10	30	10	5	10
Full Bloom	--	--	--	--	70	80	70	80	90	--	--
Small Nut	--	1	5	60	100	--	--	--	--	--	--
Peerless											
Green Bud	--	--	--	--	--	5	--	--	5	--	10
Pink Bud	--	--	--	--	1	50	100	--	--	--	--
Full Bloom	--	0	5	90	100	--	--	--	--	--	--
Small Nut	--	0	5	60	100	--	--	--	--	--	--
Nonpareil											
Pink Bud	--	--	--	--	--	20	40	40	30	50	40
Full Bloom	--	--	--	50	70	90	90	90	--	--	--
Small Nut	1	1	40	90	100	--	--	--	--	--	--
Price											
Pink Bud	--	--	--	--	--	30	30	30	40	40	20
Full Bloom	--	0	5	50	70	90	100	100	--	--	--
Small Nut	--	0	30	80	100	--	--	--	--	--	--
Carmel											
Pink Bud	--	--	--	--	--	40	50	40	70	40	70
Full Bloom	--	--	--	60	90	100	100	100	--	--	--
Small Nut	1	10	30	70	100	--	--	--	--	--	--
Butte											
Pink Bud	--	--	--	--	40	80	70	80	90	90	--
Full Bloom	--	0	0	60	90	100	--	--	--	--	--
Small Nut	--	1	5	80	100	--	--	--	--	--	--
Padre											
Pink Bud	--	--	--	--	70	90	90	100	90	--	--
Full Bloom	--	0	1	50	100	100	--	--	--	--	--
Small Nut	--	1	5	30	100	--	--	--	--	--	--

Note: Dashes indicate that data are not available.

Source: J.H. Connell and R.L. Snyder, Published in the University of California, Almond Production Manual, 1995.