

Sample Date
3/31/2011



BUD KILL

Variety	Map Location #	Stage	Control	27	25	23	21
Mid Valley Bing	12	4	0%	19%		58%	53%
			0 131	22 116	0 0	79 137	108 204
Mid Valley Rainer	11	4+	0%	0%	36%	25%	80%
			0 186	0 121	45 126	44 176	113 141
Mid Valley Bartletts	11	3+	0%	0%	0%	21%	43%
			0 46	0 48	0 55	12 58	23 53
Mid Valley Gala	11	3	0%	0%	67%	67%	90%
			0 29	0 42	28 42	31 46	36 40
Zillah Duke			1%	0%	4%	33%	60%
			2 160	0 127	4 111	35 105	67 111
Sunnyside Gala	10	3	0%	0%	75%	98%	76%
			0 42	0 47	30 40	39 40	28 37
Wapato Sci-Fresh	14	3	0%	2%	30%	38%	79%
			0 42	1 48	13 44	18 48	27 34
Wapato Sci-Rose	14	2+	10%	2%	9%	41%	10%
			6 60	1 48	3 34	13 32	6 60
Wapato Supreme	14	4	3%	0%	6%	23%	29%
			1 29	0 30	2 32	8 35	8 28
Wapato Rich Lady	14	4	0%	9%	13%	50%	68%
			0 31	2 23	2 16	20 40	25 37
Prosser Bing	9	3+	0%	1%	14%	11%	77%
			0 116	1 97	13 95	15 138	142 184
Prosser Chelan	9	3+	2%	3%	16%	52%	90%
			3 133	4 144	21 134	83 160	141 157

The provided information shows percent bud damage at various temperatures in the bud wood selected. This information may not indicate the exact temperature sensitivity of the buds in your orchard. Location, variety, tree health, tree age, rootstock, cultural practices, dew point, and duration of cold can all have an influence on critical temperatures.

Another historical reference to consider when making your critical temperature decision would be the **Critical Temperature for Blossom Buds. This can be accessed at: <http://treefruit.yakima.wsu.edu> under **Tree Fruit Bud Charts**.

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Mattawa Benton	21	3	0%	0%	5%	25%	62%
			0 113	0 120	6 120	56 225	91 147
Mattawa Chelan	21	3+	0%	0%	6%	27%	92%
			0 140	0 116	10 168	40 148	107 116
Mattawa Fuji	21	2+	0%	0%	0%	49%	41%
			0 36	0 54	0 36	17 35	17 41
Mattawa Pink Lady	21	3+	7%	0%	4%	7%	45%
			3 42	0 77	3 74	4 59	25 56
West Valley Sweet Heart	13	1	1%	3%	1%	26%	66%
			1 145	6 180	1 127	23 90	62 94
Upper Valley Sweet Heart	17	2	0%	0%	0%	5%	31%
			0 71	0 113	1 205	8 162	47 152
Ellensburg Sweet Heart	20	2	13%	0%	0%	6%	28%
			11 83	0 137	0 184	10 179	44 155
Selah Sweet Heart	15	2	0%	1%	0%	44%	36%
			0 68	1 74	0 79	32 72	46 127
Selah Gala	15	1+	0%	0%	0%	4%	20%
			0 79	0 108	0 60	4 90	20 102
Royal Slope Gala	22	2	0%	0%	8%	33%	17%
			0 48	0 90	5 60	31 93	16 94
Royal Slope Cots	22		0%	0%	9%	25%	40%
			0 8	0 37	1 11	2 8	8 20
Quincy Cots			2%	13%	2%	14%	91%
			1 57	2 15	2 84	16 115	30 33
Quincy Sweet Hearts		2	0%	4%	10%	18%	34%
			0 93	3 76	5 52	11 60	17 50

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