

## Pear Bud Stages & Critical Temperatures



**Fig. 1.** Stage 1, 'Scale Separation'.



**Fig. 2.** Stage 2, 'Blossom Buds Exposed'.



**Fig. 3.** Stage 3, 'Tight Cluster'.



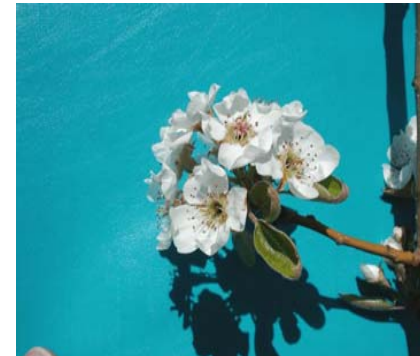
**Fig. 4.** Stage 4, 'First White'.



**Fig. 5.** Stage 5, 'Full White'.



**Fig. 6.** Stage 6, 'First Bloom'.



**Fig. 7.** Stage 7, 'Full Bloom'.



**Fig. 8.** Stage 8, 'Post Bloom'.

Critical temperatures (° F) for pear fruit buds<sup>1</sup>.

Bud Development Stage	1	2	3	4	5	6	7	8
Ave. Temp. for 10% Kill	15	20	24	25	26	27	28	28
Ave. Temp. for 90% Kill	0	6	15	19	22	23	24	24

<sup>1</sup> For Bartlett. Anjou is similar but may bloom earlier. Temperatures from researchers at Washington St. University's research center, Prosser (1964-76). Mortality is based on 30 minute exposure to the critical temperature given for that level of bud kill. Values are intended for use only as a general guideline of when to begin frost protection efforts. Actual bud kill will vary with the bud stage, cold intensity (temperature), and duration (how long the temperature remains at a given level).