

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'.

^D ^S
Critical temperatures (° F) for pear fruit buds¹.

Bud development stage	0	1	2	3	4	5	6	7	8
Ave. Temp. for 10% Kill		15	20	24	25	26	27	28	28
Ave. emp. or 0% ill				15	19	22	23	24	24

¹ 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).