

Bud development chart

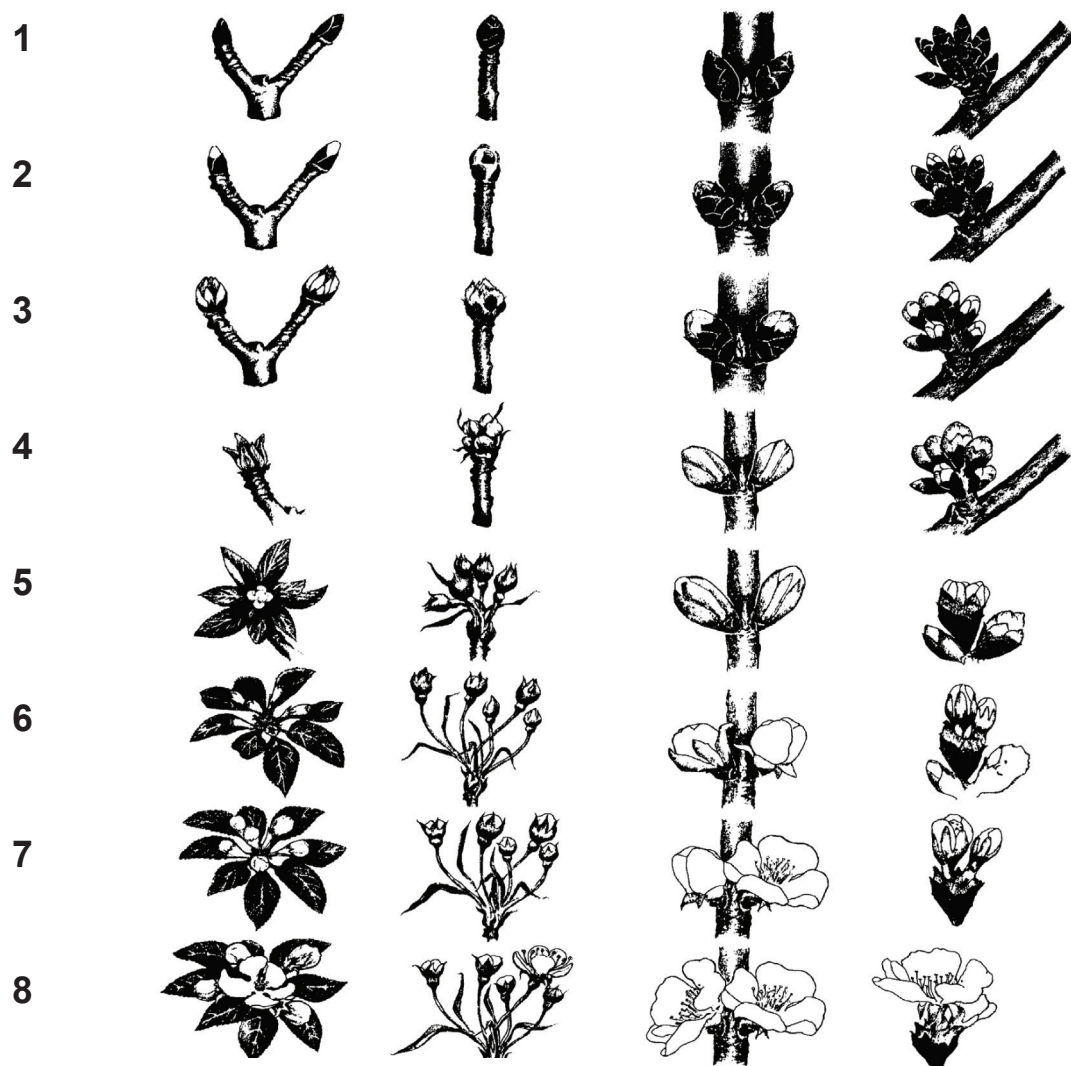


Figure 1. Stages of bud development

Key to bud development stages

Stage	Apple	Pear
Dormant	1-2	1
Delayed-dormant	3-4	2-3
Prepink	4-5	4-5
Pink	6-7	6-7
Bloom	8	8
Petal fall	8+	8+

This chart illustrates the various stages of flowering for common tree fruits in the PNW. The chart may be used to time pesticide application for the proper and effective control of insect pests, while minimizing potential adverse effects on honeybee populations. Proper timing of pesticide applications is critical for effective pest management. Proper timing also is essential to protect honeybees that are present during bloom.

Stage	Stone fruits
Dormant	1
Delayed-dormant	2
Prebloom	3-6
Bloom	7-8
Petal fall	8+

Key to bud development stages

Avoid pesticide applications during bloom to protect honeybees. For many insect pests, including mites and scale, pesticide applications made during the dormant or delayed-dormant periods are most effective. In particular, horticultural oil (dormant oil) applications made during this time that achieve good coverage can effectively smother mite eggs and scale insects that may be present.