

III. Stone fruits

a. Biology

1. Apple maggot; cherries

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The developmental threshold and number of degree days required for development of the egg and larval stages of the apple maggot were determined using a populations of adults aspirated from black hawthorn, Crataegus douglasii.

Eggs were collected from wax domes and placed in either 15, 20, 25, or 30°C for development. A developmental threshold of 8.9°C with 78.1 degree days required to complete development was estimated for the egg stage.

Larvae development time was determined in black hawthorn and tart cherry, Prunus cerasus, in the same temperatures as above. The developmental threshold was estimated to be 7.63°C in tart cherries and 6.5°C in black hawthorn. The number of degree days required to complete development were 233 in tart cherries and 270 in black hawthorn.

