

Effects of Different Cucurbit Species and Temperature on Selected Life History Traits of the 'B' Biotype of *Bemisia tabaci*

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The development time and survival rate were determined at three constant temperatures for the 'B' biotype of *Bemisia tabaci* on cucumber (Beit Alpha F₁), cantaloupe (Anzer F₁), squash (Sakız F₁), and watermelon (Galactica F₁). The development time for immature stages at 20, 25 and 30 ± 1°C was, respectively, 33.5, 19.3 and 16.8 days on cucumber; 36.5, 20.8 and 19.60 days on cantaloupe; 37.2, 20.1 and 19.8 days on squash; and 38.9, 23.8 and 21.9 days on watermelon. At 20, 25 and 30°C, the respective percentage survival of immature instars was 73.2, 83.2 and 72.9% on cucumber; 72.9, 84.9 and 75.6% on cantaloupe; 52.1, 76.1 and 57.5% on squash; and 37.6, 64.8 and 40.1% on watermelon.

KEY WORDS: *Bemisia tabaci* B biotype; development; survival; host; temperature.

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