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Population Parameters of *Tetranychus cinnabarinus* Boisduval (Prostigmata:  
Tetranychidae) on Eight Strawberry Cultivars

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**Abstract:** Development times, reproductive rates, and population growth parameters of *Tetranychus cinnabarinus* Boisd. on 8 strawberry (*Fragaria x ananassa* Duchesne) varieties were evaluated under laboratory conditions. Total development times of immature males and females were not significantly influenced by the strawberry varieties. *T. cinnabarinus* laid significantly more eggs per day on cultivar Muir (8.46) than on the other cultivars. Similarly, *T. cinnabarinus* on Muir had the highest net reproductive rate ( $R_0$ ) (120.19 F/F), while  $R_0$  was the lowest on cultivar Sweet Charlie (39.51 F/F). The generation time ranged from 18.96 to 22.32 days, but no significant varietal effect was seen. The intrinsic rate of increase ( $r_m$ ) showed a pattern similar to that of  $R_0$ ; it was highest on Muir (0.253) and lowest on Sweet Charlie (0.208). The results indicate that Muir was the most favorable strawberry cultivar for *T. cinnabarinus* population growth, whereas Sweet Charlie was the least suitable, under controlled conditions.

**Key Words:** *Tetranychus cinnabarinus*, strawberry, life tables

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