

## Section 1

### Mites and Sap-Sucking Insects

#### THE EFFECT OF THE DIFFERENT POTATO VARIETIES ON THE SURVIVORSHIP OF THE GREEN PEACH APHID, *MYZUS PERSICAE* (SULZER) (HOMOPTERA: APHIDIDAE)

T. H. Ro and G. E. Long

Department of Entomology, Washington State University, Pullman, WA 99164-6382

The study of the survivorship of Green Peach Aphid was conducted with four popular potato varieties; Norkotah, Ranger, Russet Burbank (RB), and Shepody, as host plants. The results showed that the survivorship of Green Peach Aphid was not homogeneous on the four potato varieties.

The differences in the survivorship of Green Peach Aphid (GPA) between varieties were statistically analyzed by the Lifetest procedure of Statistical Analysis System (SAS) with the following results: the survivorship of GPA on Norkotah was similar with that on Ranger, but not with those on RB and Shepody. The survivorship on Ranger was also the same as on RB, but was different from that on Shepody. Furthermore, the results of survivorship between RB and Shepody were similar.