

Effect of Boron and Zinc Sprays on tissue Boron and zinc concentration and Qualitative and Quantitative characteristics of Almond fruit

Chaderi, N., A. Vezvaei, A. Talaie, and M. Baballar

Researcher of Soil and Water Research Department of East Azarbaijan Agriculture Research Center, Assistant Professor and Associate professors of Horticulture Department of Agriculture faculty of Tehran University.

Zinc sulphate and boric acid sprays on, shahrody 12, almond cultivar in spring 1998-1999 carried out in orchards of Agricultural Faculty of Tehran University. This investigation performed in factorial randomized complete block design, in which three levels of zinc sulphate (0, 3000 and 5000 PPM) and boric acid (0, 1000 and 2000 PPM) were used as foliar application during bud formation in spring. foliar application with zinc and boron increased size of fruits, but foliar application with zinc and boron had no effect on fruit weight, kernel weight, shell% and Hull%.

The treatments significantly increased zinc and boron concentration in leaves and fruits. A significant positive correlation existed between: levels of zinc and boron in the fruit and nutlength.