

Effect of potassium application on quantitative and qualitative Characteristics of local oranges

Moradi. Bijan

Kotra. Citrus. Research Station, Nashtarud, Tonekabon

The symptoms of potassium deficiency were observed in citrus groves of western Mazandran. Soil analysis showed potassium requirement of local orange trees and its effects on quantitative and qualitative fruit characteristics. The trees were grafted on sour oranges (*C. aurantium*) and were planted at spacing of 8x6m in western Mazandran, Tonekabon in 1970. The trial consisted of four treatments and four replications, on the base of completely randomized block designs.

According to the results, potassium fertilizers increased available potassium of soil. There was a significant positive correlation between K and the yield and fruit weight. Also a significant negative correlation was observed between K and Tss / TA.