

## **Study of Current Nutritional Status of Citrus Orchards in Sari Saltanat Khoie**

This study was done in 500 ha of citrus orchards located of skirt plain, coastal plain and riverside lands .In order to study of nutritional status and balanced fer-tilization, soil and plant samples were collected and data analysed based on critical mineral element concentration and external signs of trees, in the course of 1998-99.

Results showed that,exeption of Mahdasht Bala, where the soil was slightly acidic to neutral, in other parts, soil PH was 7.5-8, texture was heavy with contend 25-40% of clay P content was low to excess(140mg /kg), K content was 102 -470 mg/kg,O.C more than 1% and without salinity limitations.

Microelements in comprsion with critical level 10,8,2,0.5 PPM for Fe, Mn, Zn and Cu respectively were in sufficiently range(except Zn in Mahdasht Bala) and al lest in part were more than critical level , in other parts Mn and Zn were below critical level. Leaf analysis showed that Mg ,K,Zn and Mn were below critical level with hunger signs ,necrosis or branches and fruit dropping.

In sever deficiency ,Zn concentration was 13.5 in compresion with healthy leaf that was 31mg/kg. Also in sever Fe deficiency Fe concentration was 51 in comp-sion with healthy leaf was 127 mg/kg.