

# **EFFECT OF N , P AND K FERTILIZERS ON GROWTH OF TWO CORN VARIETIES UNDER DIFFERENT SALINITY LEVELS .**

**Abed Sarab Hussain**

**Al\_Mussaib Technical College.**

## **ABSTRACT**

Pot experiment was conducted in Al\_Mussaib Technical College to study the effect of N, P and K fertilizers on growth of two corn varieties Neilum 301 and Bihooth 106 grown under different salinity levels. Dry matter of corn plant was increased by all N, P and K treated. Salinity levels of 0.5 meq/100 g also increased the yield. High levels of salinity invariably lowered the yield of dry matter of both varieties of corn. Ash percentage of the plant materials increased with P and K applications and with increasing level of salinity of the soil. Increasing the level of N in the soil caused some decrease in the ash content of the plant materials. Nitrogen percent in plant material increased with N and P application. Likewise, P percentage increased with N and P applications while it was not affected by potash. In general, both the varieties behaved similarly under the soil and environmental conditions provided during the period of the experiment.