Nacl resisance of 4 Vitis cultivars.

Kanani Natash¹, R., Ali Nazemieh², S.Azarabadi³ and M.Moghaddam Vahed⁴.

- 1- Esat Azarbaidigan Agricultural Research Center Expert.
- 2,3,4- Proffessor and Associate Proffecar of Tabriz University.

It can be said that Grape is the most important culture and has first rank in the economy and culture of this area Different species of grape adapted to different climates and interspecific hybrids make it's culture possible in spread geographical sites.

It is declared that breeding and introducing of salt tolerante plants is an economic and useful method for override on salt difficulty. So recognizing of commercial resistant cultivars is essential.

To determine response of 4 commercial grape cultivars in regtative period an experiment

was conducted in RBCD based factorial design in three replicates. Four cultivars are hahli, Fakhri (Early Season), Soltanin (Middle Season) and Gezel (Late Season). Rootes cutting were sown in sand in July 97. and watered with nutrient culture every 15 days. Than salinity treatments (5,45,90 mmol/lit NaCl) were applied.

Statistical analysis showed a 5% significant differece between cultivars on vegetative growth, number of stomates, length of internodes, stem fresh and dry weight, but difference between root fresh and dry weight was not significant. Cultivar on salinity interaction for stem dry weight and vegetative growth was significant. Fakhri was most tolerant to NaCl salinity.