

7. Proline+ Biofertilizer

8. OM

Results and Discussion

I. A general view on the experimental soil:

The results obtained of particle size distribution, Table (1), reveal that the studied soil is characterized by fine texture (clayey), and it attains low content of CaCO_3 and organic matter. The later may be ascribed to the prevailing hot and arid climatic conditions. Also, the studied soil has relatively low values of sodicity (*i.e.*, ESP, non-alkali soil)

according to the critical levels of t ien s

Wated *et al.*, (1983) reported that proline amino acid plays an adaptive role in tolerance of plant cells to salinity by increasing the concentration of proline in order to equalize the osmotic potential of the cytoplasm.

Results of the present work emphasized the possibility of alleviating the harmful effects

