

EFFECT OF MULCHING BY ORGANIC WASTES ،DEPTH OF PLNTING AND SEED SIZE ON SEEDLING EMERGENCE AND GROWTH OF BROAD BEAN IN SALINITY SOIL.

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ABSTRACT

The Experiment was carried out in field of Mussayab Technical College during the growing season 2008 – 2009 in to Broad Bean plant local variety. the study included twelve treatments are consisting three factors its two size of seeds (small 1.7 g \ grain , large 3.7 g \ grain) and three depth of planting (4 , 8 , 12 cm) . and tow treatments ,first :mulching by crushed wheat straw by 0.5 tons \ dunum putting on the lines of Agriculture and left the other without mulching . Applied experience as randomized complete block design RCBD with three replicates and then compared the averages by less significant difference test and a probability level of 0.05 .

Results showed that: That large Seed size that mulching with plant residues planted in depth between 4 – 8 cm showed significant differences in (rate and speed of seedling emergence after 15 days of cultivation , height of plant , dry weight of plant and root, and number of flowers after 60 days of cultivation) by 95%, 3.41 gesture \ day, 82 cm, 31.1 g, 9.3 g and 0.60 flower \ plant respectively.while small size grains without mulching planted in 12cm depth had given the following values for the same qualities previous a 19%, 0.55 gesture \ Day, 34 cm, 10.9 g, 3.9 g, 10 flower \ plant respectively in salty soil.

Key words: Mulching ، Organic wastes ، Salinity.