

# ACCLIMATIZATION AND SELECTION OF NEW SOYBEAN GENOTYPE SUITABLE TO MIDDLE OF IRAQ.

By

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## **ABSTRACT**

In order to select new genotype of soybean suitable to sown in Iraq. The work had been started on introduced variety (coker 425) by sowing and selection under Iraqi ecological conditions. The desired traits were grain yield , high quality of seed , and days from sowing to maturity . Promised genotype was selected from coker 425 variety . After many generation this genotype (taka 3) was compared with many genotypes included local variety in seasons 2009 and 2010 . RCBD with three replicates had conducted. Morphological and agronomical traits were estimated by taking randomized ten plants from every genotypes . Genotype taka 3 was superior of number of bods , 100- seed weight , plant grain yield . Plant yield was 40 gm , 89 gm for two seasons respectively. Yield per area was 3632 kg/ha and 4171 kg/ha for two season, respectively . This genotype will be increase genetic

**Key words:** Soybean Genotype, Morphological, Agronomical Traits, Ecological Condition.