

**EFFECT OF MAGNETIC IRRIGATION WATER, CHEMICAL
FERTILIZER AND TYPES OF NATURAL ORGANIC FERTILIZER ON
GROWTH AND YIELD OF WATER MELON GROWTH IN
GYPSFEROUS SOIL .**

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ABSTRACT

The study was conducted on the Gypsiferous soil type at state board of Agric. Res / Hort. Dept. / College of Agric. / Univ. of Tikrit from 20/4/2007, , included ten treatment consider to coincidence between five treatment: NPK , NPK + Cow manure , NPK + sheep manure, NPK + poultry manure, control, and two type of water (with or without magnetized water by magnetron. Treatment disbursed in factorial experiment actuality three replication according to RCBD mean comparing according to test (L.S.D) on probability level 5%.

Results showed the best significant vegetative growth were obtained by magnetized water , which gave the higher number of shoots(30.23). compare with normal water. The treatment of NPK with poultry manure gave the best significant result of vegetative growth comparative with most treatments except NPK + sheep manure. treatment of NPK + poultry manure with magnetized water results increased significant in vegetative growth and gave the best result significant of fruit number (2860) and total yield for NPK +poultry manure and NPK +cow manure which gave best result (12.5067) (11.4883). interference NPK +poultry manure with magnetized water and normal water which gave (2860 fruit) and NPK + poultry manure with magnetized water gave the best result significant of total yield (14.034).