

EFFECT OF ORGANIC FERTILIZER IN THE GROWTH AND YIELD OF GREEN ONION (*Allium cepa* L.) CV. WHITE LOCAL.

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ABSTRACT

To study the response of green onion crop for some kinds of organic fertilizers field experiment was conducted in the vegetable field of the Department of Plant Production in Agricultural Technical College / Mosul in Rashidiya during 2012 -2013 season where the onion bulblets (Cv. White Local) planted in 14 th. Oct. 2012 in boards on lines dimensions of 40 cm and the distance between plants 20 cm and the experiment included six treatments (chemical fertilizer 65 kg / D urea + 65 kg / D. superphosphate + 50 kg / D. potassium Sulphate and poultry manure at rate of 15 cubic meters / D. and sheep manure at rate 20 cubic meters / D. and three treatments of manufacture poultry manure (Italpollina) at 20, 30 and 40 kg / 100 m² and carried out in a simple experiment in the Randomized Complete Block design with five replicates The results showed superiority of manufacture poultry manure added at rate of 40 kg / 100 m² In some vegetative growth characters (leaves number per plant 27.62 , leaves fresh weight 93.23 gr. , leaves dry weight 11.53 gr.) and In some yield characters (yield per plant 338.61 gr. and total yield 12697 kg / D. and the average weight of the bulb 86.42 gr. and the average diameter of bulb 3.82 cm.)

Key word: Organic fertilizer – Green onion – Yield.