

EFFECT OF HUMIC ACID AND NUTRIENT SOLUTION PROSOL IN GROWTH , YIELD GARLIC (*Allium sativum* L.) AND CONTENT FROM FATTY ACID.

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ABSTRACT

A field experiment was conducted during growing season (2008 – 2009) at Univ. of Tikrit -College of Agriculture. Horticulture and Landscape Experimental Station. to study the response of *Allium sativum* L. for humic acid treatments and spraying by nutrient solution Prosol at four concentration (0 ,0.5 , 1 , 2) g/L . The experiment was in split plot design in RCBD with three replications , The humic treatment considered as the main plot. The results showed that humic treatment gave significant increases in most characteristics studied, and gave production of 3.38 ton / donum . Spray treatment with 2 gm/ L concentration gave production of 3.34 ton/ donum . Treatment interaction between humic treatment and spraying with Prosol 2 g/L concentration gave the highest content from Fatty acid (20.75 , 78.63 , 322.61 , 662.70 , 23.63 , 677.59) microgram/ gm for (Myristic acid , Stearic acid , Palmatic acid , Linolenic acid , Oleic acid and Linoleic acid) respectively .

Key Word : Humic acid , Garlic , fatty acid.