

EFFECT OF NITROGEN FERTILIZER AND SEAWEED EXTRACTS ON VEGETATIVE GROWTH AND YIELD OF CUCUMBER .

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ABSTRACT

Two levels of urea fertilizer (i.e. Zero and 30kg, N/D). and Seaweed extracts, Sea force1 (2ml/L) as follows : (Zero, once, twice and three times) as foliar application in cucumber plants cv. Babylon were used . Plants were grown in Al-Salihya and Al-Rashidya districts Ninewah during spring season/2009.

Results indicated that , there was significant effect due to urea , sea force1 and their interactions on stem length , plant dry weight , chlorophyll, carbohydrates , Fruits , diameter and length , early and total yield , firmness , total soluble solids and vitamin C content in fruits , and nitrogen, phosphorous, potassium in levels. Generally plants grown in AL-Salihya district gave higher mean values of studied characteristics than those grown in AL-Rashidya district the study revealed that the interaction between 30Kg N/D and spraying three times with Sea force1 was the best treatment , which increased total yield 34-31% and 37.13% in AL-Salihya and AL-Rashidya districts .