

**Effects of planting dates and leaf foliar fertilizater on some
phenotype characters for growth and yield of watermelon
variety "Charleston 76"**

Aziz M. A. AL – shammary
Hort. Dep. college of Agriculture
University of Diyala

Ali Kh.Hamood
Directorate of Diyala
Agriculture

Thikra J.Mohi
Directorate of Diyala
Agriculture

Abstract

Field experiment was conducted in special agriculture farm in Beni – Saad, Diylya province during spring season for 2008 a split plot design in a randomized complete block design (R.C.B.D.) was used four replicates to study the effects of two planting dates (15/4 and 15/5) and five different foliar spray fertilizer name by : Di Potassium phosphate, Amino Quelant-Fe, Amino Alexin, AL mubhir fertilizer and the control treatment (only water) on growth and yield for the cultivar "Charleston 76" of watermelon.

The results revealed no significant effect for planting dates on the number of branches and the number of the leafs before appear the first male flower. The plants in the date 15/4 were surpassed in number of fruit /plant ,weight of fruit ,yield of plant ,and total yield as compare with the other date. The plants treated with the AL mubhir fertilizer were surpassed in number of branches , sex ratio , fruit set ratio , number of fruit /plant , plant yield, total yield, length fruit and diameter of fruit and the thickness of skin fruit.

The results revealed a significant interaction between planting dates and fertilizer treatments. The plants in the second dates (15/5) and treated with

AL mubhir fertilizer are surpassed on set ratio , fruit set ratio , number of fruit /plant , weight of fruit , plant yield , total yield , and fruit characters (length , diameter , thickness of skin).