

The Effect Of Different Sources Of Organic Fertilizers And Fungi Mycorrhiza On Growth And Flowers Plant Gladiolus And Vase Life

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ABSTRACT

This study which was conducted in the plastic house at college of Agriculture- University of Diyala during the period from 10-10-2013 to 20-5-2014 is to show the effect of organic fertilizers (Chicken manure, Cow manure and sheep manure) at the rate of 0, 2 and 4% of the weight of the soil per pot and bio vaccine and their interaction on the growth and flowering of Gladiolus.

The result can be summarized too surpassed the organic manure treatment with the control. The chicken manure 4% treatment was surpassed by giving of leaves area, length of spike, basal florest diameter, vase life, corms weight and cormels number.

The treatment with biovaccine of mycorrhiza recorded the highest amount in leaves area, length of spike, basal florest diameter, vase life, corms weight and cormels number.

Interaction between the fungal vaccine and 4% chicken manure treatment surpassed by giving the highest values leaves area, length of spike, basal florest diameter, vase life, corms weight, cormels number, mycorrhizal infections percentage and number of spore in soil.