

عنوان مقاله:

Intracation Effect Of Vesicular Arbuscular Mycorrhizal Fungi And Saline Stress On Growth Indices Of Tomato Plant

محل انتشار:

هفتمین کنفرانس ملی پژوهش های کاربردی در علوم کشاورزی غذای سالم از مزرعه تا سفره (سال: 1398)

تعداد صفحات اصل مقاله: 8

نویسنده:

Parisa Alizadeh Oskuie - Department of soil science, Marand Branch, Islamic Azad University, Maran, Iran

خلاصه مقاله:

The effect of VAM(Vesicular Arbuscular mycorrhizal) fungi and salinity stress was investigated on growth indices of tomato (c.v.Sun 6108) that were inoculated with two VAM fungi (Glomuse versiforme) or left non inoculated respectively (G1,G0) as control in a pasteurized sand, for up to 90 days. Four levels of salinity (0,2,5,7 ds/m) respectively,(Ec1,Ec2,Ec3,Ec4) as NaCl and two P levels (20,40 mg/Kg) respectively(P1,P2) as KH₂PO₄ was applied to the sand on transplanting. Statistical analysis indicated that salinity had signifitaly effect on root dry weight ($p<0.05$), root and stem length, stemt dry weight, number of flower, LA (Leaf Area)and Rcp or Root colonization percent, ($p<0.01$). All of the growth indices decreased by use of salt. P had significantly effect on stem length($p<0.05$), stemt dry weight, number of flower and LA ($p<0.01$). Use of P ,increased all parameters. The main effect of fungus had signifitaly effect on stemt dry weight, number of flower and LA ($p<0.01$). Enhence of fungues increased stemt Dry .(weight, number of flower and Leaf area. At last salinity * fungus had significantly effect on LA ($p<0.05$

کلمات کلیدی:

Growth indices, Phosphoruse,Salinity stress,Tomato,VAM

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