



كلية الزراعة
قسم الميكروبيولوجيا الزراعية

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جامعة الفيوم

البحث الأول : (فردى مشترك مع آخر من خارج التخصص – منشور)

El-Sayeda H.M. El-Badawy and **Seoudi, O.A.** (2009).
Effect of inoculation with algae (*Anabaena oryzae*) and fertilization with zinc and urea on rice plant.
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عنوان البحث

ABSTRACT

A pot experiment was carried out to study the effect of rice inoculation with (*Anabeana oryzea*) at a rate of (5 liter/fed) and 3 forms of zinc fertilizer and urea on yield and uptake of some nutrients from clay soil inoculation with Anabeana algae was highest growth parameters for rice over the control. Also, inoculation with anabaena algae increased the uptake of N, P and Zn by grain and straw for rice and nitrogenase activity in soil. The results showed that zinc sulphate gave higher values of plant height, number of productive tillers, straw and grain yield than Zn-EDDH and Zn-Azo. Also, zinc sulphate at a rate of (2.5 kg/fed) gave higher values of N, P and Zn uptake by rice plant than other the forms of zinc. The results showed that no significant differences between the Zn-EDDH and Zn-Azo, respectively.