

عنوان مقاله:

Consideration the effect of the Clinoptilolite zeolite in improvement of chemical characteristics of light soils

محل انتشار:

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خلاصه مقاله:

There are plenty of lands with low soil texture that are not fertility in Iran. As we know there is an increase in population and therefore we need to improve the yield production of agriculture plants. Zeolites are minerals that are derived from mines and they have a wide usage in agriculture. We have designed a completely randomized plan with four treatments to consider the impact of zeolite on CEC and PH of the soil sample. So we mixed 1.5 kg of soil with different quantities of zeolite (Z0, Z1, Z2, Z3) in ratios 0, 0.2, 0.4 and 0.8 percent of weight and then we have filled pots with these mixtures. we have concluded that with increase of zeolite, the CEC also increases. The insignificant of exchangeable sodium in different levels have shown that zeolite does not have sodium. As it is shown in table.1 there is an increase of exchangeable potassium with increase of zeolite quantity. And there is a significant difference in all levels zeolite consumption.

کلمات کلیدی:

Clinoptilolite zeolite, Soil Chemical, light soil

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