

## **Abstract**

Mycorrhiza belong to biofertilizers that including numerous of earth-borne living beings. Mycorrhiza as main component of ecosystem had positive effects on quantitative and qualitative characteristics of symbiotic plants.

In order to study the effects of mycorrhiza on yield and yield components of mung bean under different levels of phosphorus fertilizer, an experiment was conducted as split plot in base of complete block with three replications in the field of agriculture research institute of zabol university (chahe-nimeh) at cropping season of the year 2013. Main plot were including three levels of ammonium phosphate: 0, 100 and 150 kg/hac and sub plot were including five levels: nouse of mycorrhiza (control), *Glomus hoi*, *Glomus intraradices*, *Glomus mosseae* and combination of three mentioned species. Results showed that biological yield affected by different levels of phosphorus fertilizer. The highest biological yield was obtained from use of 100 and 150 kg/hac ammonium phosphate. Species of mycorrhiza had significant effect on seed yield, number pod per squares, biological yield and pod weight. Application of mycorrhiza with phosphorus fertilizer had positive effect of studied traits except number of seed per pods.

**Keywords:** Mycorrhiza, Mung bean, Yield, Yield Components, Phosphorus fertilizer



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**Effects of Mycorrhiza Species on Yield and Yield  
Components of *Mung bean* (*Vigna radiata* L.) under  
different levels of Phosphorus Fertilizer**

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