

**The Liquid Organic Fertilizer Demonstrations with produce asparagus  
(Asparagus officinalis Linn var. altilis) at Nakhonpathom Province**

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**Abstract**

The research project was conducted at farmer field, Nong Ngu Leum sub-district, Muang district, Nakhon Pathom province. The experiment composed of 3 treatments as following : 1) fertilizer as farmer practices 2) sprayed with liquid organic fertilizer 50 litre per rai ( liquid organic fertilizer : water, 1 : 250) 3) sprayed with liquid organic fertilizer 50 litre per rai ( liquid organic fertilizer : water, 1 : 500 ) The objectives are to study growth and asparagus yield, soil properties change and economic return. Results showed that application of liquid organic fertilizer in dilution of 1 : 500, there was tendency of growth and asparagus yield higher than liquid organic fertilizer in dilution of 1 : 250, but lower than farmer practices. For the dilution of 1 : 250, soil reaction, organic matter content, available potassium was higher than the dilution of 1 : 500 and farmer practiced. For asparagus production cost, farmer practice was higher than the two dilution of liquid organic fertilizer, Farmer practice obtained economic return higher than the two dilution of liquid organic fertilizer..

Keywords: liquid organic fertilizer, asparagus