

ชื่อเรื่อง

**A Study on Growth of Vetiver Grass in Planting Materials L Plastic Bag  
Condition**

ชื่อผู้วิจัย

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### **Abstract**

A study on the growth rate of vetiver grass by using various planting material in plastic bags was conducted at Sakon Nakhon Field Crops Research Center, starting in September 1992. The experiment followed the method of Factorial in RCB with 4 replicates. The treatments were separated into 2 sets: one set is treated with 2 different amount of fertilizer and the other set with 8 types of planting material.

The result indicated that, the fertilizer formula 5-5-5-1 (N-P-K-MgO) applied at the rate of 25 kg/rai has no significance on the grass survival rate compared to the control. For material usage, the vetiver planting in plane natural soil possesses the maximum survival rate of 99% and no different to other method. The plane husk gave the lowest survival rate of 34%. The mixture of soil-manual at the ratio 2:1 was the optimum for propagating vetiver, given an average of 8 tiller/clump, besides, accelerating the plant growth rate i.e. produced the height up to 191.3 cm. maximum number of leaves 52.3 leaf/clump, and the weight of plant and dry roots are 125.2 gm/clump and 60.7 gm/clump respectively.