The Effects of Hydroponic Fertilizer on *Brachiaria mutica* on Banthon Soils.

Chirawat Khemsawat 1/ Chanchai Manidool 2/ Anan Phusathigul 2/
Thalearngsak nonthansvong 3/ Phokphun Detphrom 1/

Abstract

Commercial hydroponic fertilizer was obtained from a company in Bangkok and was used to compare the effect of this material against the compound fertilizer (HP) on forage grass. A trial was carried out at Narathivas province during 1985 - 1986 to determine the effect of HP on the yield of para grass. Treatments were 15-15-15 NPK mixed fertilizer at the rate of 0 Kg (control), 50 Kg, 50 Kg + HP and 25 Kg + 1/2 HP.

The results have shown that mixed fertilizer at 50 Kg/rai gave higher yield than the combination of fertilizer and HP regardless of the rates of the HP. The average yield were 1180, 4096, 2250 and 3066 Kg/rai for 0, 50, 50 + HP and 25 + 1/2 HP respectively.

It was revealed that the height and tillering of para grass receiving were not different from mixed fertilizer + HP, but higher than the control.

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1/ Narathiwat Animal Nutrition Research Center, Narathiwat

2/ Animal Nutrition Division, Department of Livestock Development

3/ Kang Krajan Animal Nutrition Research Center, Petchaburi