Management of Cutting on Production of Napier Tree Variety

(1) The Production and Persistency of 3 Species of Napier Grass

 cut at Different Heights*

Sasithon Thinnakorn1    Saranya Wittayanupapyuenyong1
               Kietsuruk Phokaswat2

Abstract

The effect of three cutting height at 5, 10 and 15 cm. on dry matter product and persistency was studied on three variety of napier namely common napier (Pennisetum purpureum), Mott’Dwarf Elephantgrass (Pennisetum purpureum, Schumach.) and king grass (A Mexican variety of Pennisetum purpureum). The experiment was carried out from August 1991 to November 1992 about 16 months. The dry matter product was measured at thirty to thirty five days old cutted napier.

The result throughout the experiment showed that cutting height at 5, 10 and 15 cm. above ground level was not significantly different on cumulative dry matter yield of napier grass dwarf napier and king grass, there were 4.064.4, 4.005.3 and 4.032.8 kg/rai respectively. The average protein was 12.73 – 14.72% and average NDF was 58.22 – 63.23 %. From the experiment result, it may be conclude that for the purpose of utilization on 3 variety of napier grass in term of both forage production and persistency for a long period, these grass should be cutted at 10 cm. above ground level.

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1 Pak-Chong Animal Nutrition Research Center, Pak-Chong District, Nakhon-Ratchasima Province.
2 Animal Nutrition Division