Yield of Various Combinations of Creeping Signal Grass and Centrosema Pasture in Tung Kula Ronghai location.

Ittipon Powpaisal ¹  Lakana Vuthiprachumpai ² Wiruch Suksaran ¹  Chalio Srichoo ³

Abstract

The experiment had conducted to study yield of various combinations of Creeping Signal grass (*Brachiaria humidicola*) and Centro (*Centrosema pubescens*) at Tung Kula Ronghai Animal Nutrition Station, Suwanaphum District, Roi - Et Province between May 1990 - September 1992. It was designed in Randomized complete blocked with 4 replications. The treatments comprised of 5 combinations of grass and legume which were: all grass, 25% legume 50% legume, 75% legume and all legume pasture.

The average dry matter yield were found to be similar from 3 treatments of all grass, 25% legume and 50% legume pasture (1,442, 1,328 and 1,259 kg/rai/yr, respectively), followed by the 75% legume which gave 1,124 kg/rai/yr. The lowest yield was obtained the all legume pasture with 295 kg/rai/yr.

The protein content of mixed grass - legume pasture had tendency to increase with increasing propotion of legume. The crude protein percentage in all grass pasture, 25, 50, 75% legume and all legume pasture were following 7.09, 8.43, 8.04, 9.44 and 14.06%, respectively. The highest protein yield of 101 kg/rai was obtained from the 25% legume pasture.

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² Forage Crop Production Section. Animal Nutrition Devisioin.

³ Tung Kula Ronghai Animal Nutrition Station. Roi-et Province.