Effect of Fertilizer on Yield and Chemical Composition of *Brachiaria mutica* var. *queensland* and *native*.

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Abstract

The experiment was designed to study the effect of fertilizer (15-15-15) on yield and chemical composition of two varieties of para grass (*queensland* and *native*), on the Pak-Chong soil series from January to November, 1985. These grasses were transplanted by rootstocks. A randomized complete block design with 8 treatments and 4 replications was used. The treatments consisted of 2 varieties of grass and 4 levels of fertilizer. The results showed that the highest cumulative dry matter herbage yield from four cutting intervals every 45 days throughout the experiment was obtained from variety native 1,582 kgs/rai and had content of average CP 7.32% which was produced protein yield 121.14 kgs/rai. This experiment showed that the MDS value of variety native had a tendency to be higher than the MDS value of variety queensland.

In this trial was founded that there was an effect of fertilizer on dry matter yield, percentage of CP and protein yield of two varieties of paragrass.

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