

ชื่อเรื่อง

Analysis Chemical Composition of *Vetiveria Zizanioides* Nash for Using as Feed Stuff

ชื่อผู้วิจัย

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Abstract

The study of animal nutritive values, growth and yield of 2, 4, 6 and 8 weeks cutting interval on 10 varieties of *Vetiveria zizanioides* Nash, was conducted at Thung-Kula-Ronghai Animal Nutrition Station, Amphur Suwanaphoom, Roi-Et Province during May 1993 – April 1994. The soil was sandy; pH 4.5, 0.4% organic matter, 10 ppm phosphorus and 20 ppm potassium. The result showed that the nutritive values of Khampangpet 2 was better than the other 9 on crude protein (CP), in vitro dry matter digestibility (IVDMD), neutral detergent soluble (NDS) and minerals. Besides this, it was found that Prachuabkirikan, Khampangpet 1 and Khampangpet 2 gave higher both yield and tiller.

The longer period of cutting increased total yield, but decreased animal nutritive values. However, the 4 weeks cutting was most suitable for both yield and nutritive value. Furthermore, there were no effect of cutting interval to the tiller.

The content of toxic constituents in 10 varieties of *Vetiveria zizanioides* Nash, found to be very low in nitrate at non-toxic level and there were no nitrite and hydrocyanic acid.