

ชื่อเรื่อง

**A Study on Efficiency of Vetiver Grass in Comparison with Contour Bank
in Alleviating Soil Erosion Rate**

ชื่อผู้วิจัย

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Abstract

The experiment was conducted during August 1993-March 1995, at 10% slope on Muak Lek soil series in Amphur Dan Chang, Supan Buri Province. The experiment aimed to compare the efficiency of vetiver grass with contour bank and farmers practice (without any soil conservation measure).

By considering the amount of soil loss in the first year, it was found that the efficiency of the vetiver grass was about 0.74 comparing to the contour bank, but it can reduced the soil loss to about 50% when comparing with the farmers practice. In term of crop yield it was found that contour bank treatment gave the highest yield followed by vetiver grass treatment with the increasing of 27.44% and 17.98% when comparing with the farmers practice respectively.