

ชื่อเรื่อง

**Study of Optimum Rows and Different Plant Spacings of Vetiver Grass for
Soil Erosion Control on Sloping Land**

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Abstract

The study of optimum rows and different plant spacings of vetiver grass for soil erosion control was conducted in Ranong Province on 5% slope. There were 7 treatments the first three treatments were planting vetiver grass in single row with the hill spacings of 10, 15 and 20 cm., the distance between row was 15 m., the second three treatments were planting vetiver grass in double rows with the distance of 30 cm. and the hill spacings of 10, 15 and 20 cm. respectively, the distance between double rows was 15 m., the last treatment was farmers' practice (without vetiver grass).

The results from the study showed that vetiver grass in single or double rows with the hill spacing of 10 cm. can reduce soil loss from 80-94% compared with the farmers' practice.