

ชื่อเรื่อง

**Effect of Environment on Adaptability Growth and Development of  
Vetiver (*Vetiveria Zizanioides* L.) in Eastern Bhutan**

ชื่อผู้วิจัย

Dhanapati Dhungel<sup>1</sup>, Prem Kumar Legha<sup>2</sup> and Niten Dukpa  
Essential Oil Programme, Monggar Bhutan

ชื่อหน่วยงาน

<sup>1</sup>Project Coordinator, <sup>2</sup>UNV Production Agronomist

ปีที่ดำเนินการ

ปีที่พิมพ์รายงาน

**Abstract**

A field experiment was conducted to study the growth and development of two vetiver types (South Indian Types = SIT and North Indian type = NIT) at three altitudes i.e. 640, 1640 and 2200m ASL in Eastern Bhutan. It was observed that 12 months after transplanting and top aerial part cutting at 30 cm in winter season for herb yield, it was recorded that tillers per clone, root lets per clone, root diameter plant height and leaf breadth was significantly higher in NIT over SIT in the respective altitudes. Also, it was observed that during winter season it provides green fodder ranging from 21.9 to 34.2 in first year and during second year winter season it was from 29 to 45 g/ha. Thus in Bhutan NIT is more vigour and adaptable. Further it was observed that both types flower but SIT gives very less number of viable seeds.