



**The Promotion of Vetiver Grass Cultivation  
for Soil and Water Conservation  
by Farmer's Participation**

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# Soil Erosion



**Erosion by water**



- **Inappropriate use of soil resources**
- **Deforestation**







**His Majesty the King has suggested the use of vetiver grass as a measure to solve the problem of soil erosion.**



- **easily cultivated by farmers**
- **no complicated technology to maintain**
- **very economic to use**





**Land Development Department  
has distributed the information on  
vetiver grass grass technology to the  
local government officers and farmers.**

**The promotion is not accepted by some farmers**

**- lack of clear understanding of the advantages.**





# Farmer-to-Farmer extension

**“Soil Doctor” a volunteer farmer of the Land Development Department, works as an extension officer by providing knowledge on the vetiver grass and land development according to the principles of sufficiency economy.**





**Mr. Wichai Tuay-ha**



**“ knowledge from the experience  
is better than the demonstration ”**



จุดเรียนรู้การพัฒนาที่ดินประจำตำบล  
นายวิชัย ทวยหา  
หมู่ที่10 ต.กะเปอร์ อ.กะเปอร์ จ.ระนอง  
สถานีพัฒนาที่ดินระนอง สำนักงานพัฒนาที่ดินเขต11  
กรมพัฒนาที่ดิน กระทรวงเกษตรและสหกรณ์













# Growing the vetiver grass in an inverted semi-circle on slope land outside of fruit trees shade



# Growing the vetiver grass along the contours level parallel to the line of rubber trees plantations



# Planting vetiver grass to protect the roadsides



# Use vetiver leaves as mulch material to cover the soil



# Use vetiver leaves to produce compost material



**Vetiver makes good bedding for livestock because it soaks up urine and stays dry longer**



# Wichai Tuay-ha's Learning Center



# The Learning Center

- **To produced and distributed vetiver grass stalks to the interested farmers to grow at their areas.**
- **To demonstrate and provide information to farmers on how to make the best use of land and water.**
- **To make the farmers well aware of the importance of soil and water conservation.**



**The demonstration sites as a learning center will make the farmer well aware of the importance of soil and water conservation.**

**The government officer may be only the advisor who give them the new knowledge and technology for the success of the promotion of vetiver grass cultivation for soil and water conservation by farmer's participation.**



**Farmer-to-Farmer extension  
is one of the alternative  
effective method to promote  
v e t i v e r g r a s s .**



**Andaman sea, Krabi province, Thailand**

**THANK YOU**