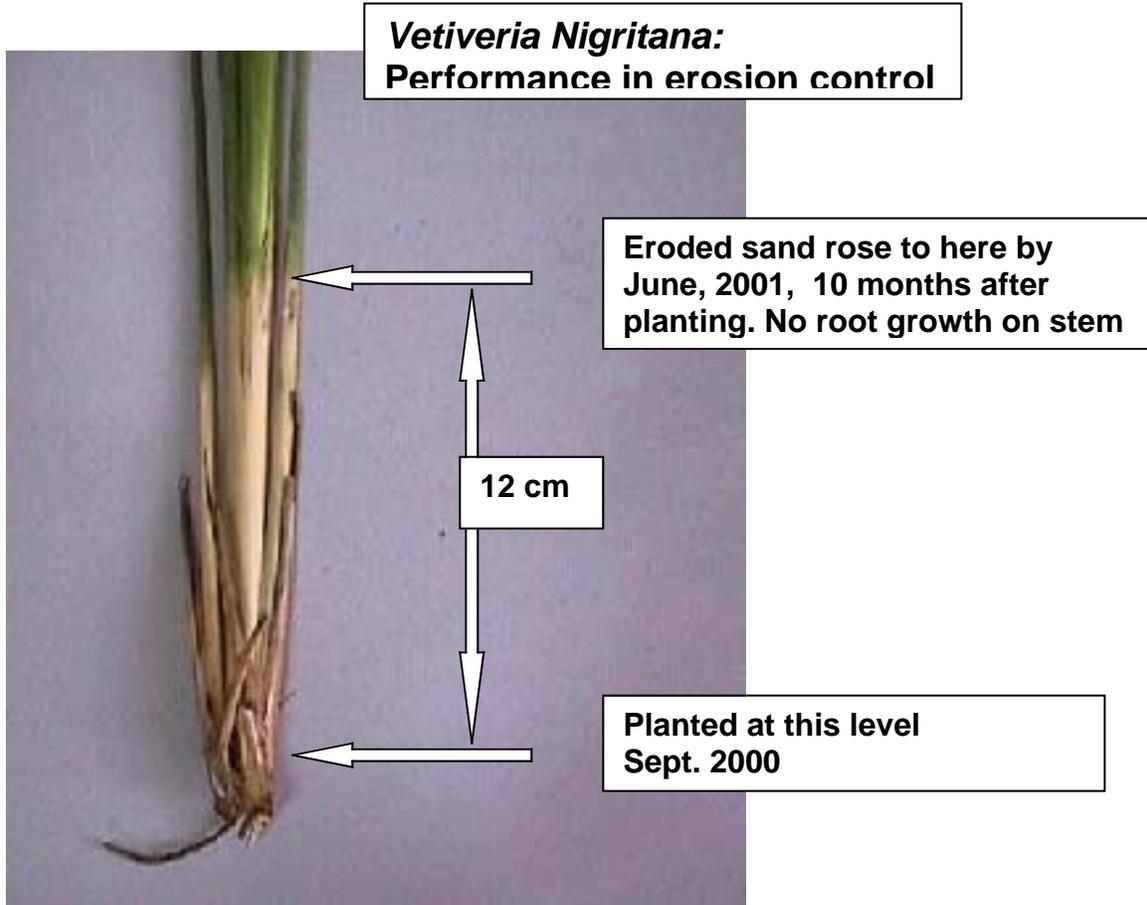


# Comparison of rooting characteristics of *Vetiveria nigratana* and *Vetiveria zizanioides*

*Photos from Criss Juliard*



*V. nigratana* Roots develop from base of plant, none develop higher up on the culmn

**Hedge from which tiller was uprooted.  
Note absence of new root growth on stem**



*V.nigratana*. Root development at base only



*V. zizanioides*: growth of new roots on stem 3 months after planting and an accumulation of eroded soil (on the left side of plant)

**Root growth of vetiver plants sent by air from South Africa to Senegal in closed plastic bags. Note length of new roots. 5/2001**





These differences in root growth explain why *V.zizanioides* has the capability of developing very high terrace risers -- as the soil builds up behind the hedgerow new roots are developed higher up the plant, and thus the plant grows with the terrace riser. *V. nigratana* appears not to be able to do this