

# **Reaction of different Bidi Tobacco genotypes against Tobacco Mosaic Virus in Northern Karnataka**

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## **ABSTRACT**

Tobacco mosaic virus (TMV) which causes mosaic disease in tobacco is one of the most destructive plant viruses in the world. Management through chemicals is often uneconomical and highly variable, hence an attempt was made to assess the reaction of important bidi tobacco genotypes. A total of 117 entries belonging to advanced, initial hybrid and varietal trial material and 190 germplasm lines were evaluated for TMV resistance under natural unprotected conditions. Among these, fourteen lines from advanced trial, four lines from initial trial, eight lines from hybrid trial and eleven from genetic stock recorded moderate infection under field conditions.

**Key words :** Bidi tobacco, Germplasm, Hybrid, Tobacco mosaic virus, Varietal trials.