

ABSTRACT

A high level of resistance to the Trinidad strain of the Cowpea Mosaic Virus (CpMV) was found in 10R₃, a red seeded semi-prostrate late maturing cowpea.

Its mode of inheritance was determined in crosses with two susceptible cultivars: Blackeye No.25 and Los Banos Bush Sitao No.1. Results of virus inoculation tests of F₁, F₂ and backcross populations showed that resistance to CpMV in 10R₃ is recessive and may be controlled by a single gene.

The high level of resistance in 10R₃ should prove valuable for breeding and development of cultivars resistant to the CpMV.