

Survey on Incidence of Bud Necrosis Disease on Watermelon in Karnataka and Andhra Pradesh

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ABSTRACT

Survey carried out in Karnataka and Andhra Pradesh revealed that the *Watermelon bud necrosis virus* (WBNV) was prevalent in different locations and causing diseases in watermelon, muskmelon, bitter gourd, ridge gourd and bottle gourd. The average incidence of watermelon bud necrosis disease in Karnataka was 34.55 ± 25.09 and 24.83 ± 17.32 per cent in consecutive years and ranging from 0 to 100 per cent. The mean PDI of watermelon bud necrosis disease in Andhra Pradesh was 25.14 ± 18.67 and ranged between 0 to 80 per cent during the summer season. Apart from these, GBNV infection was also noticed on bitter gourd, soybean, black gram and tomato. Both WBNV and GBNV were also found to cause mixed infection in bitter gourd. The occurrence of bud necrosis disease was more in summer crop sown during the months of January and February with a severe disease incidence (100%), when compared to the crops sown during *Rabi* and *Kharif* seasons.

Keywords: *Bud necrosis, Incidence, Roving survey and Watermelon*