

Occurrence of Blackgram Viral Disease Complex in Guntur District of Andhra Pradesh

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ABSTRACT

Roving survey was conducted to study the incidence and severity of *Mungbean yellow mosaic virus (MYMV)* and other viral diseases of blackgram during *rabi* 2020 in major blackgram growing mandals *viz.*, Cherukupalli, Amruthalur, Nizampatnam, Nagaram and Bhattiprolu of Guntur district, Andhra Pradesh. Prevalence of *MYMV* and other viral diseases were present in all surveyed fields of selected mandals. The study registered the highest overall mean incidence and severity of *MYMV* (22.08% and 30.32%) followed by leaf crinkle incidence (16.80%) and leaf curl incidence (11.65%) in Guntur district of Andhra Pradesh respectively. Of all the mandals surveyed, the highest mean *MYMV* incidence (24.05%) and severity (42.14%) was recorded in Cherukupalli mandal followed by Nizampatnam 23.78% and 39.84% and 14.58% and 17.85% in Bhattiprolu mandals. The highest mean leaf curl incidence (12.61%) was recorded in Cherukupalli mandal followed by 12.50% and 12.31% in Nizampatnam and Amruthalur mandals. The highest mean incidence of leaf crinkle disease (21.88%) was recorded in Nagaram mandal followed by 18.46% and 16.92% in Amruthalur and Cherukupalli mandals respectively.

Keywords: *Blackgram, Incidence and Severity, MYMV, Survey and Viral diseases.*