Studies on peach rosette mosaic virus in Egypt

Ahmed Abd El Aziz El Sayed Kheder, Esmat Khalid Allam, Hamed Mahmoud Mazyad

Cairo University
Giza, Egypt

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Abstract

Peach rosette mosaic virus is considered one of the most economically important virus affecting stone fruit and grapevine. Survey for viral infection was carried out during 2001 - 2003 on peach orchards to determine PRMV occurrence using DAS - ELISA technique. The survey was conducted in commercial peach (Prunus persicae) in four Governorates, i.e. Monufia (Khatatba), El Behira (El - Nobiya), North Sinai (Rafah) and Dakahlia (Metghamer) 1674 peach trees cv. Florida Prince, 1200 Desert Red, 969 Swelling, 300 Early Grand and 450 peach trees cv. (Metghamer) growing in different locations were tested in three successive years. Collected samples were selected randomly from each orchard in the different locations by drawing an imaginary line from the orchards outer border to its center. Obtained data indicated that the highest infection was 17% and the lowest was 0% in peach cv. Swelling respectively.

Keywords

Peach Rosette, Mosaic Virus