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The occurrence of *Apple stem pitting virus* and *Apple stem grooving virus* within field-grown apple cultivars evaluated by RT-PCR

Jiban Kumar Kundu

<https://doi.org/10.17221/3862-PPS>

Citation: Kundu J.K. (2003): The occurrence of *Apple stem pitting virus* and *Apple stem grooving virus* within field-grown apple cultivars evaluated by RT-PCR. *Plant Protect. Sci.*, 39: 88-92.

The reverse transcription polymerase chain reaction (RT-PCR) was successfully used to determine the occurrence of *Apple stem pitting virus* (ASPV) and *Apple stem grooving virus* (ASGV) in field-grown apple cultivars. Both viruses were detected frequently in all 16 tested apple cultivars. As many as 27.86% ASPV-infected and 44% ASGV-infected trees were recorded among a total of 420 tested trees from 15 different orchards. Mixed infection with ASGV and ASPV was recorded in 16.7% of the trees.

Keywords:

Apple stem pitting virus, *Apple stem grooving virus*, apple cultivars; RT-PCR

Impact factor (Web of Sci Thomson Reuters)

2017: **1.076**5-year Impact factor: **0.975**

SJR (SCImago Journal Rank SCOPUS):

2017: **0.348 - Q2** (*Agronomy Crop Science*)
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