

PRELIMINARY STUDIES REGARDING THE INCIDENCE OF POTATO VIRUS Y IN SEED POTATOES IN ROMANIA (FOR SEVERAL CULTIVARS)

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Abstract

The farmers income is affected strongly by potato virus diseases. Potato Virus Y has become in the last years one of the most damaging pathogen of potato crop. It can cause serious reduced yield, stand loss and decrease of the tuber's quality. The necrotic and recombinant strains PVY play an important role in the spreading of this virus. Elimination of this pathogen from potato supply is essential for seed production and the choice of resistant varieties to the infection with this virus could be one of the measures recommended for farmers and producers. The results of this preliminary study show that varieties resistant to necrotic strains PVY in our study (samples taken from the regions Brașov, Covasna, Harghita, Cluj, Suceava, in 2014) were the following: Riviera, Bellarosa, Jelly, Roclas, Christian.

Key words: potato virus Y, necrotic strains, potato ringspot, necrotic tuber disease
