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Resistance to TMV (tobacco mosaic virus) and black shank (Phytophthora parasitica var. nicotianae) in some Oriental tobacco varieties and lines

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The common tobacco mosaic virus and black shank disease can cause severe economic loss to tobacco production in some microregions of the Republic of Macedonia and in other tobacco producing countries worldwide. Considering the actuality of the problem, by means of generative hybridisation, a number of Oriental lines with high resistance to the above mentioned diseases have been developed at the Tobacco Institute-Prilep. Five of these lines and varieties were included in investigations carried out in the experimental field and in the bio-laboratory of the Institute. Three of them showed high resistance to TMV and black shank, one had high resistance to TMV and medium resistance to black shank. The standard variety YV125/3 was susceptible to both diseases. The resistant lines can be used as a starting material in hybridisation, for creation of new tobacco genotypes resistant to the economically important diseases.

Documents

Poster

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