
Netherlands Plant Protection Service

Ministry of Agriculture, Nature and Food Quality P.O.Box 9102 6700 HC Wageningen The Netherlands

PEST REPORT

Tomato yellow leaf curl virus-Alm (TYLCV-Alm) on Solanum lycopersicum (tomato) plants

Summary

This report concerns the successful eradication of Tomato yellow leaf curl virus on tomato plants in The Netherlands. TYLCV is listed as a harmful organism for the European Community which is known to occur in the Community and specifically regulated on tomato plants intended for planting, other than seeds (see Annex IIAII of Council Directive 2000/29/EC as amended). In 2007, TYLCV has been found in several tomato producing greenhouses in a small area in The Netherlands. Results in 2008 show that the virus has been eradicated.

Pest status: Absent, pest eradicated.

Phytosanitary measures

Affected plants were removed and destroyed. Furthermore, relevant companies were instructed to apply insecticide treatments aimed at eradicating populations of the insect vector *Bemisia tabaci*. A hygienic protocol was required at affected companies for preventing further spread. In addition, after removing plant material at the end of the season a few weeks later, the greenhouses have been disinfected and checked on the absence of *B. tabaci*. Trace-back has been initiated for determining the possible source of the outbreak, but no source could be found. A nationwide survey was conducted to determine the extent of the outbreak in 2007. In 2008, survey activities were conducted to confirm pest absence at the companies that were found infected in 2007 and in the rest of the country. TYLCV has not been found anymore.

Eradication

Based on the delimiting survey in 2007, it was concluded that the outbreak was limited to a small number of companies, located in the same greenhouse area. After phytosanitary measures, the virus was eliminated in all companies. Based on results of the nationwide surveillance and based on the results of the additional survey at the companies that were infected in 2007, it can be concluded that the pest has been eradicated in The Netherlands.

References:

- NPPO of the Netherlands

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