



## December 2021 – update PEST report THE NETHERLANDS

### 1.1 Tobacco ringspot virus (TRSV) new pest status NL Update finding on ornamental plants for planting of *Ajuga reptans* (2019)

#### 1.2 Executive summary

This update pest report concerns an update of the pest status in the Netherlands following multi annual surveys.

The latest finding of TRSV was reported in September 2019 in plants for planting of *Ajuga reptans* as part of a specific survey whereby asymptomatic plants of 30 locations have been sampled and tested. This survey specifically targeted *Ajuga*, following two positive testing records (non-official) of two lots during 2018, of which one originated in a third country and the other in the Netherlands.

For TRSV this concerned the first official finding in *Ajuga reptans*. Since 2000, other findings of TRSV were recorded in plants for planting of *Bacopa* (2000, 2006), *Celosia* (2008), *Portulaca* (2000, 2006, 2007), *Hemerocallis* (2006, 2018), *Iris ensata* (2006), *Iris siberica* (2006), *Iris germanica* (pest report September 2017 and September 2019) and *Phlox subulata* (2010, and pest report March 2018). At the beginning of 2020 TRSV was also reported by an operator in *Rosmarinus* plants originating in a third country. These plants were destroyed.

#### Update on finding TRSV in ornamental plants for planting of *Ajuga reptans* (2019)

A specific survey has been carried out for all clonally related lots of *Ajuga reptans*. Four out of five lots of rooted cuttings (at five wholesale nurseries) have been traced in the Netherlands and have been destroyed. Five lots have been delivered to two other Member States, which have been duly informed. Following the surveys of 2019 and 2020, no further findings of TRSV in *Ajuga reptans* were detected and this outbreak is considered eradicated.

The possible source of the infection is probably related to vegetative propagation since the vectors (species within the *Xiphinema americanum* complex) are absent as based on specific surveys.

#### Change of pest status and amendment of phytosanitary measures for TRSV

On the basis of the multitude of findings in the Netherlands and elsewhere in the EU, it is presumed the virus is wider spread in the EU than currently known, both in terms of geographic distribution as well as in terms of host plants.

In case of future findings measures will be taken for infected lots (destruction) to prevent spread of the virus. Following a finding the Netherlands will no longer test all other (potential) host plants at a company. Specific TRSV surveys will only be carried out in case of new findings.

The pest status for the Netherlands for TRSV is changed to:

Present, [other] findings in multiple species of ornamental plants for planting.

#### 1.3 Type of notification

Full notification

<b>2.1 Single Authority</b>	Notification from the National Plant Protection Organization of the Netherlands – Netherlands Food and Consumer Product Safety Authority
<b>2.2 Official contact</b>	M.B. de Hoop. +31651584878 Email: <a href="mailto:m.b.dehoop@nvwa.nl">m.b.dehoop@nvwa.nl</a>
<b>3. Location of presence of harmful organism</b>	Five companies in the following municipalities: Alphen aan den Rijn; Altena; Haarlemmermeer; Lisse; Rhenen
3.2 Map of the location.	Not relevant.
<b>4. Reason of the notification and pest status</b>	(1) First presence of the harmful organism First report.
<b>4.3 Previous Pest status</b>	(16) Transient: actionable, under eradication
<b>4.4 Current Pest status</b>	Present, [other] findings in multiple species of ornamental plants for planting.
<b>5. Information relating to the finding.</b>	(1) pest related official survey
5.2 Date of finding.	16 July 2019.
5.3 Sampling for laboratory analysis	Per consignment leaf material of 200 individual plants was sampled. Leaf samples were screened for TRSV by the official laboratory of Naktuinbouw using DAS-ELISA. Positive samples were sent to the National Reference Centre of the NPPO for confirmation. The presence of TRSV was confirmed by: 1. Inoculation of specific indicator plants; 2. DAS-ELISA for TRSV on plant material of the inoculated plants; 3. Identification of TRSV through High throughput Sequencing and sequence analysis on material of the original sample.
5.4 Laboratory	NPPO of the Netherlands - National Reference Centre Ms Floor Peeters Tel: +31 615104153 Email: <a href="mailto:f.m.peeters@nvwa.nl">f.m.peeters@nvwa.nl</a>
5.5 Diagnostic method.	See 5.3.

5.6 Date of official confirmation of the harmful organism's identity	22 August 2019
<b>6. Information related to the area, severity of the finding and source of the finding</b>	6.1. (2) Affected number of plants: Rooting company: 3 lots totalling 10,200 plants Wholesale companies NL recovered (4 lots): 6,500 plants
6.2. Characteristics of the infested area and its vicinity.	Professional greenhouse. Plants for planting.
6.3. Host plants in the infested area and its vicinity.	Not relevant.
6.4. Infested plant(s), plant product(s) and other object(s).	Affected number of plants: Rooting company: 3 lots totalling 10,200 plants Wholesale companies NL recovered (4): 6,500 plants
6.5. Vectors present in the area.	No vectors detected.
6.6. Severity of the outbreak.	No symptoms were observed.
6.7. Source of the outbreak.	The cuttings originated in Kenya.
<b>7. Official phytosanitary measures</b>	
7.1. Adoption of official phytosanitary measures.	(2) Official phytosanitary measures have been taken. In case of future findings measures will be taken for infected lots (destruction) to prevent spread of the virus. Following a finding the Netherlands will no longer test all other (potential) host plants at a company. Specific TRSV surveys will only be carried out in case of new findings.
7.2. Date of adoption of the official phytosanitary measures. In case of temporary measures, indication of their expected duration.	25 July 2019

7.4. Objective of the official phytosanitary measures.	(1) eradication
7.5. Measures affecting the movement of goods. Indication of one of the following options	(2) measures do not affect import into or movement within the Union of goods.
7.6. Specific surveys.	Follow-up surveys will be completed for affected varieties of <i>Ajuga reptans</i> .
<b>8. Pest risk analysis/assessment</b>	(1) Pest risk analysis is not required (harmful organism is listed in Annex I of Directive 2000/29/EC
<b>9. Links to relevant websites, other sources of information.</b>	<a href="https://english.nvwa.nl/topics/pest-reporting/contents/pest-reports">https://english.nvwa.nl/topics/pest-reporting/contents/pest-reports</a>