



## September 2019 PEST Report - THE NETHERLANDS

National Plant Protection Organization  
POBox 9102  
6700 HC Wageningen  
The Netherlands

### 1.1 Findings of Tobacco ringspot virus (TRSV) in ornamental plants for planting of *Ajuga reptans*.

#### 1.2 Executive summary

This report concerns findings of Tobacco ringspot virus (TRSV) in plants for planting of *Ajuga reptans* as based on a confirmed positive testing outcome of 22 August 2019. The first suspicion was recorded on 16 July 2019, at a rooting company of cuttings.

These findings are the result 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.

Phytosanitary measures will be taken whereby infected lots are destroyed. The objective of the official measures is eradication of the virus. 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 will be destroyed. Five lots have been delivered to two other Member States, which have been duly informed.

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.

For TRSV this concerns 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).

Amendment of the pest status is pending the outcome of specific surveillance in 2019 and 2020.

<b>1.3 Type of notification</b>	(1) partial 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>	(15) Transient: actionable, under eradication
<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	<p>Per consignment leaf material of 200 individual plants was sampled.</p> <p>Leaf samples were screened for TRSV and ToRSV 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 and ToRSV was confirmed by:</p> <ol style="list-style-type: none"> <li>1. Inoculation of specific indicator plants;</li> <li>2. DAS-ELISA for TRSV or ToRSV on plant material of the inoculated plants;</li> <li>3. Identification of TRSV and/or ToRSV through High throughput Sequencing and sequence analysis on material of the original sample.</li> </ol>
5.4 Laboratory	<p>NPPO of the Netherlands - National Reference Centre  Mr. Maikel Aveskamp  Tel: +31 611522844  Email: m.m.aveskamp@nvw.nl</p>
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>	<p>6.1. (2)  Affected number of plants:  Rooting company: 3 lots totalling 10,200 plants  Wholesale companies NL recovered (4 lots): 6,500 plants</p>

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.
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>
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