

Institut für nationale und internationale Angelegenheiten der Pflanzengesundheit

Institute for National and International Plant Health

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Julius Kühn-Institut
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Federal Research Centre for Cultivated Plants

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13-10-2023

Notification of the presence of a harmful organism

1 General information	
1.1 Title	Confirmed presence of Tomato brown rugose fruit virus (ToBRFV) in Germany (Brandenburg)
1.2 Executive summary	In 2023, ToBRFV was detected at an organic farm growing tomatoes. The grower found symptoms on the leaves of <i>Solanum lycopersicum</i> 'Heart of Gold' and informed the responsible plant protection service. Samples were taken by the inspectors and tested positive in the official laboratory. Official eradication measures are implemented.
2 Information concerning the single authority and responsible persons	
2.1 Notification from	Julius Kühn-Institut (JKI), Institute for National and International Plant Health, Germany
2.2 Official contact:	Katrin Kaminski, outbreaks@julius-kuehn.de
3 Location	
3.1 Location	In Brandenburg
4 Reason of the notification and the pest status	
4.1 First finding in Germany or in the area	Confirmed appearance of the pest in part of the territory of Germany, in which it has been previously present but eradicated.
4.2 Pest status of the area where the harmful organism has been found present, after the official confirmation.	Present: under eradication, at low prevalence, in specific parts of the area where host plants are grown
4.3 Pest status in Germany before the official confirmation of the presence, or suspected presence, of the harmful organism.	Present: under eradication

4.4 Pest status in Germany after the official confirmation of the presence of the harmful organism.	Present: under eradication
5 Finding, sampling, testing and confirmation of the harmful organism	
5.1 How the presence or appearance of the harmful organism was found.	Information submitted by professional operators, laboratories or other persons. The grower observed symptoms which firstly were meant to be a lack of nutrients. Later on the fruits showed black stripes and lost the taste and texture within a few days. Therefore, the grower contacted the plant protection service.
5.2 Date of finding:	14-09-2023
5.3 Sampling for laboratory analysis.	Date of sampling: 14-09-2023
5.4 Name and address of the Laboratory	Landesamt für Ländliche Entwicklung, Landwirtschaft und Flurneuordnung (LELF) Referat 43 Saatenanerkennung, Phytopathologie Steinplatz 1 15806 Zossen Germany
5.5 Diagnostic method	According to peer reviewed protocols PM 7/146 (2) - Tomato brown rugose fruit virus In addition, DNA sequencing was carried out for confirmation.
5.6 Date of official confirmation of the harmful organism's identity.	04-09-2023
6 Infested area, and the severity and source of the outbreak in that area	
6.1 Characteristics of the infested area and its vicinity.	Physically closed conditions: greenhouse Plant already planted, not to be reproduced or moved
6.2 Host plants in the infested area and its vicinity	<i>Solanum lycopersicum</i> (100 m ²)
6.3 Infested plant(s), plant product(s) and other object(s).	<i>Solanum lycopersicum</i> (1 pce)
6.4 Severity of the outbreak:	Only one leaf sample was tested positive. The fruits of 11 varieties were tested negative.
6.5 Source of the outbreak	The source of the outbreak is unknown.

7 Official phytosanitary measures	
7.1 Adoption of official phytosanitary measures.	<p>Official phytosanitary measures have been taken. Those measures are taken inside the demarcated area.</p> <p>The official phytosanitary measures include:</p> <ul style="list-style-type: none"> - destruction of all host plants in the foil tunnel by burning - cleaning and disinfection of the foil tunnel including all materials and tools - all materials that cannot be disinfected will be burned - prohibition to grow host plants of ToBRFV according to the Implementing Regulation (EU) 2023/1032 - prohibition to grow plants whose roots are harvested
7.2 Date of adoption of the official phytosanitary measures.	27-09-2023
7.3 Identification of the area covered by the official phytosanitary measures.	100 m ²
7.4 Objective of the official phytosanitary measures.	Eradication
7.5 Measures affecting the movement of goods.	Measures do not affect import into or movement within the Union of goods.
7.6 Specific surveys.	No
8 Pest risk analysis/assessment	Pest risk assessment is not required. Harmful organism is subject to measures referred to in the second subparagraph of Article 30(1) of Regulation (EU) 2016/2031.