

Notification of the presence of a harmful organism (1863) – closing note

1 General information	
1.1 Title	Eradication of an outbreak of Tomato brown rugose fruit virus (ToBRFV) in Germany (Bavaria)
1.2 Executive summary	<p>Tomato brown rugose fruit virus has been found in a greenhouse of 1.67 ha in Bavaria. The infested tomato plants were used for tomato fruit production and approximately 30 % of the plants showed symptoms. Official eradication measures were taken.</p> <p>In 2022, the infested area has been increased to 3.64 ha because the virus has been detected also in the rooms of the workers outside the greenhouse and contaminated material was stored outside the greenhouses. In 2023, the operator did not grow any host plants of ToBRFV and therefore, no tests were carried out in 2023. The eradication is considered completed at this location.</p>
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
3 Location	
3.1 Location	In Bavaria
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 its presence was previously unknown.
4.2 Pest status of the area where the harmful organism has been found present, after the official confirmation.	Absent: pest found present but eradicated

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.
5.2 Date of finding:	11-07-2022
5.3 Sampling for laboratory analysis.	Date of sampling: 11-07-2022
5.4 Name and address of the Laboratory	Bayrische Landesanstalt für Landwirtschaft (LfL) – Institut für Pflanzenschutz Lange Point 10 85354 Freising Germany
5.5 Diagnostic method	According to peer reviewed protocols
5.6 Date of official confirmation of the harmful organism's identity.	14-07-2022
6 Infested area, and the severity and source of the outbreak in that area	
6.1 Size and delimitation of the infested area.	3.64 ha
6.2 Characteristics of the infested area and its vicinity.	Physically closed conditions: greenhouse Plant already planted, not to be reproduced or moved.
6.3 Host plants in the infested area and its vicinity	<i>Solanum lycopersicum</i> , <i>Capsicum annuum</i>
6.4 Infested plant(s), plant product(s) and other object(s).	<i>Solanum lycopersicum</i> (1.67 ha), <i>Capsicum annuum</i> (81 pce)
6.5 Severity of the outbreak	About 30 % of the plants in all 5 greenhouses show symptoms. Two varieties of red pepper and nine varieties of tomato are concerned. Three of them have already been confirmed by laboratory tests to be infected with ToBRFV. Plants and fruits of all varieties in parts show symptoms. The main symptoms are uneven ripening of young fruits, orange fruits not turning red and reduced number of fruits per branch.

6.6 Source of the outbreak	Possible pathways of the pest into the greenhouses are changing staff, delivered infested seedlings and supplied tomatoes from the outside for packaging.
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. An infested area of 1.67 ha has been demarcated.</p> <p>In 2022, the infested area has been increased to 3.64 ha because the virus has been detected also in the rooms of the workers outside the greenhouse and contaminated material was stored outside the greenhouses. This finding was made by the Humboldt University Berlin.</p> <p>The following measures were taken at the end of the season:</p> <ul style="list-style-type: none"> - Clearance of all plants in the greenhouses - Destruction of the whole plant material - Removal of coco mats - Disinfection of all greenhouse surfaces and all objects which have been used in the production <p>In 2023, the operator did not grow any host plants of ToBRFV and therefore, no tests were carried out. On 31st December 2023, the eradication measures were completed.</p>
7.2 Size and delimitation of demarcated area and/or buffer zone	4 ha
7.3 Objective of the official phytosanitary measures.	Eradication
7.4 Measures affecting the movement of goods.	Measures do not affect import into or movement within the Union of goods.
7.5 Specific surveys.	Yes, in 2023, official inspections were planned including visual inspections and testing but finally, the operator did not grow any host plants of ToBRFV and therefore, no tests were carried out in 2023.
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.