

Notification of the presence of a harmful organism (2286) – closing note

1 General information	
1.1 Title	Closing note on an outbreak of Tomato brown rugose fruit virus (ToBRFV) in Germany (Baden-Wuerttemberg)
1.2 Executive summary	<p>In 2023, ToBRFV has been notified by a tomato grower to the plant protection service of Baden-Wuerttemberg. After the finding of the pest in two greenhouses of a professional operator, the plant protection service decided to take samples in other greenhouses of the operator 50 km away. Official samples were taken and ToBRFV was confirmed in four varieties ('Bio Briosio RZ', 'Saopolo', 'Dunne' and 'Tomaranto F1'), which were grown in three greenhouses. Tomato plants and fruits of all varieties of the grower have been tested. Symptomatic plants and fruits have been destroyed immediately, asymptomatic plants were destroyed after the end of growing season.</p> <p><u>Update 2024:</u> The phytosanitary measures have been updated.</p> <p>ToBRFV has been regulated as a Regulated Non-Quarantine Pest (RNQP) since January 2025, so eradication measures and specific surveys are no longer carried out.</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 Baden-Wuerttemberg
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.	Present: not widely distributed and under official control
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: not widely distributed and under official control
5 Finding, sampling, testing and confirmation of the harmful organism	
5.1 How the presence or appearance of the harmful organism was found.	Survey related to an existing or eradicated outbreak of a pest. After the finding of the pest in the greenhouse of a professional operator, the plant protection service decided to take samples in the other greenhouse of the operator 50 km away. The operator informed the plant protection service about slight symptoms on tomato plants. Official samples were taken.
5.2 Date of finding:	02-08-2023
5.3 Sampling for laboratory analysis.	Date of sampling: 08-08-2023
5.4 Name and address of the Laboratory	Landwirtschaftliches Technologiezentrum Augustenberg (LTZ) – Referat 33 Neßlerstraße 25 76227 Karlsruhe Germany
5.5 Diagnostic method	Conventional RT-PCR using the primers of Alkowni et al. (2019) and real-time RT-PCR using primers and probe of Menzel and Winter (2021) according to the Annex of Commission Implementing Regulation (EU) 2020/1191.
5.6 Date of official confirmation of the harmful organism's identity.	16-08-2023
6 Infested area, and the severity and source of the outbreak in that area	
6.1 Size and delimitation of the infested area.	3 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>
6.4 Infested plant(s), plant product(s) and other object(s).	<i>Solanum lycopersicum</i> (3 ha)
6.5 Severity of the outbreak	All 4 varieties were found to be infested.
6.6 Source of the outbreak	Unknown
7 Official phytosanitary measures	
7.1 Adoption of official phytosanitary measures.	<p>Official phytosanitary measures will be taken.</p> <p>Preliminary measures have been ordered orally according to requirements of Art. 6 (3) b ii) of Regulation (EU) 2020/1191 (2023/1032). The grower conducted voluntary measures immediately after the suspicion of an infestation: Some areas are restricted for access, other persons than specified staff can only access the greenhouse under certain conditions (documentation, single-use suit and footies, rubber gloves, disinfection at the doors).</p> <p><u>Update 2024:</u></p> <ul style="list-style-type: none"> - immediately after detection of the infestation/symptoms, removal and destruction of all symptomatic plants and fruits in the demarcated area by incineration - harvesting non-symptomatic fruits of non-symptomatic plants until end of season - after end of season, destruction of all plants and fruits and foils in the demarcated area by incineration - disinfection of the greenhouse and all equipment and machineries with 2%-Fadex H+ and 4% Menno-Florades - growing of HR varieties of tomato and resistant varieties of sweet pepper under supervision of the competent authority who is sampling and testing the crops
7.2 Objective of the official phytosanitary measures.	Eradication
7.3 Measures affecting the movement of goods.	Measures do not affect import into or movement within the Union of goods.
7.4 Specific surveys.	No

8 **Pest risk analysis/assessment**

Pest risk assessment is not required.

Since 2025, ToBRFV is not classified as quarantine pest anymore but is regulated as RNQP.