

Institut für nationale und internationale Angelegenheiten der Pflanzengesundheit

Institute for National and International Plant Health

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Julius Kühn-Institut
Bundesforschungsinstitut für Kulturpflanzen
Federal Research Centre for Cultivated Plants

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Notification of the presence of a harmful organism

1 General information	
1.1 Title	Presence (confirmed) of Tomato brown rugose fruit virus in Germany (Brandenburg)
1.2 Executive summary	<p>A grower reported unknown symptoms on tomato plants of one variety to the plant protection service. The tomatoes were grown in a foil tunnel in organic farming. Samples were taken and tested in the official laboratory of Brandenburg. <i>Solanum lycopersicum</i> 'San Marzano' was tested positive for Tomato brown rugose fruit virus (ToBRFV). Samples of directly adjacent tomato varieties and aubergines were tested negative. The infested tomato variety was grown from seeds that have been purchased by a German trader with an Austrian plant passport. According to the plant passport information the seeds originate in another Member State. Trace-back and forward investigations are ongoing. Official eradication measure are taken. The movement of fruits and plant material is forbidden and destruction by burning is ordered. Also compost that could have been contaminated is disposed of in an incineration plant. Used boxes will be disinfected and further hygiene measures are carried out. Further measures are possible in the course of the further investigation of this case.</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
2.2 Official contact:	Katrin Kaminski, Tel: +49(0)531 299 3378, 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 concerned, 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: under eradication, at low prevalence
4.3 Pest status in Germany before the official confirmation of the presence, or suspected presence, of the harmful organism.	Absent: Pest eradicated
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.	<p>Information submitted by professional operators, laboratories or other persons</p> <p>The owner of the infested plants informed the plant protection service because he did not know the reason for the symptoms. The tomato plants did not show typical leave symptoms but fruits were unevenly coloured with streaky red coloration and showed rugose like symptoms. The concerned variety 'San Marzano' was slightly behind the other varieties in growth.</p>
5.2 Date of finding:	10-08-2020
5.3 Sampling for laboratory analysis.	Tomato leaves of variety 'Black Plum' and 'San Marzano' have been sampled. Both varieties were grown directly adjacent. Remaining seeds will be tested by sowing and testing the seedlings. Further testing is planned.
5.4 Name and address of the Laboratory	<p>Landesamt für Ländliche Entwicklung, Landwirtschaft und Flurneuordnung</p> <p>Referat 43 Saatenanerkennung, Phytopathologie</p> <p>OT Wünsdorf – Brandenburg</p> <p>15806 Zossen</p>
5.5 Diagnostic method	<p>Other</p> <p>- real-time PCR according to Menzel & Winter (2020), Primer/Son (ToBRFV qs1, ToBRFV qas2, ToBRFV p1)</p>

	<ul style="list-style-type: none"> - Sequence analysis (Primer: Menzel et al., 2019) - EPPO PM 7/XXX draft 20-25576 COUNTRY CONSULTATION
5.6 Date of official confirmation of the harmful organism's identity.	02-09-2020
6 Infested area, and the severity and source of the outbreak in that area	
6.1 Size and delimitation of the infested area.	90 m ²
6.2 Characteristics of the infested area and its vicinity.	Open air – other, other plant or part of a plant or plant product
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).	1 plant
6.5 Severity of the outbreak.	The severity of the outbreak cannot finally be described. Sampling and testing is not finished so far. Two further operators with relations to the concerned grower have been included in the investigations.
6.6 Source of the outbreak	The infested plants were grown from seeds with an Austria plant passport. According to that plant passport the seeds originate in another Member State. The investigations are ongoing.
7 Official phytosanitary measures	
7.1 Adoption of official phytosanitary measures.	<p>Official phytosanitary measures will be taken. Further investigations are ongoing. Remaining seeds will be tested by sowing the seeds and testing the plants. Further 20 varieties will be tested. Transport boxes will be disinfected. No demarcated area established: Investigations are ongoing. The infestation is restricted to one foil tunnel so far.</p> <ul style="list-style-type: none"> - movement of fruits and plant material is prohibited. - destruction by burning in an incineration plant is ordered, including compost that is possibly infested - transport of infested material to the incineration plant in closed big bags that are burned afterwards - hygiene measures

7.2 Date of adoption of the official phytosanitary measures.	02-09-2020
7.3 Objective of the official phytosanitary measures.	Eradication
7.4 Specific surveys.	Yes
8 Pest risk analysis/assessment	Pest risk analysis not required (for those pests referred to in points (a) and (b) of the first paragraph of Article 11, or subject to measures referred to in the second subparagraph of Article 30(1) of Regulation (EU) 2016/2031)