

Notification of the eradication of a harmful organism

1 General information	
1.1 Title	Eradication of <i>Thrips palmi</i> in Straelen (North Rhine-Westphalia)
1.2 Executive summary	<p>In 2014, <i>Thrips palmi</i> was found in a greenhouse of a trial facility of the Chamber of Agriculture North Rhine-Westphalia in Straelen. It was the first finding of the pest in Germany and has been notified on 29th October 2014.</p> <p>Infested plants as well as host plants in the area of the horticultural centre (incl. ornamental plants) were destroyed. After one year intensive monitoring in the production companies in the vicinity of the horticultural centre, there were no further findings of <i>Thrips palmi</i>, so that the pest can be considered as eradicated.</p>
1.3 Notification status	Closing note indicating the termination of the taken measures and the reasoning for such termination.
2 <u>Information concerning the single authority and responsible persons.</u>	
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, notify@julius-kuehn.de

3 Location	
3.1 Location	Straelen in North Rhine-Westphalia
3.2 Further information about the location	See Fig. 1 and Fig. 2
4 Reason of the notification and the pest status	
4.1 First finding in Germany or in the area	(2) first confirmed appearance of the harmful organism in Germany
4.2 Pest status of the area where the harmful organism had been found present, after the official eradication.	absent, eradicated
4.3 Pest status in Germany before the official confirmation of the presence, or suspected presence, of the harmful organism.	absent, no pest records
4.4 Pest status in Germany after the official confirmation of the eradication of the harmful organism.	absent, eradicated
5 Finding, sampling, testing and confirmation of the harmful organism.	
5.1 How the presence or appearance of the harmful organism was found.	(8) Detection of the infestation in the course of the controls of the variants of a scientific trial by employees of the Chamber of Agriculture North Rhine-Westphalia.
5.2 Date of finding:	6 th October 2014
5.3 Sampling for laboratory analysis.	In the diagnostic laboratory of the Plant Protection Service Bonn all together 955 tests on <i>Thrips palmi</i> were conducted during the control period.
5.4 Name and address of the Laboratory.	Diagnostic laboratory of the Plant Protection Service of the Chamber of Agriculture North Rhine-Westphalia Diagnosis confirmation by the Julius Kühn-Institute

5.5 Diagnostic method.	Morphologically (Berlese followed by microscopy), PCR The diagnostic method was carried out according to ISPM 27.
5.6 Date of official confirmation of the harmful organism's identity.	24 th October 2014
6 Infested area, and the severity and source of the outbreak in that area.	
6.1 Size and delimitation of the infested area.	(1) infested area: app. 300 m ² (2) infested plants: 3,500 pieces (4) GPS: 06.26437 51.42325
6.2 Characteristics of the infested area and its vicinity.	(3.1) Greenhouse In the vicinity of the trial facility within a radius of 1,000 m there are two companies producing bedding and balcony plants. Furthermore there is a nursery which is producing under open air conditions succulents and one more company that is producing <i>Paeonien</i> as cut flowers.
6.3 Host plants in the infested area and its vicinity.	Crops in trial facility and in the producing companies within a radius of 1,000 m: <i>Cyclamen persicum</i> , <i>Saxifraga</i> spp., <i>Dianthus kadori</i> , <i>Primula vulgaris</i> , <i>Lavandula angustifolia</i> , <i>Aubrieta</i> spp., <i>Aquilegia caerulea</i> , <i>Aurinia saxatilis</i> , <i>Rosa</i> spp., <i>Cucumis sativus</i> , <i>Capsicum annuum</i> , <i>Brassica</i> spp., <i>Solanum lycopersicum</i>
6.4 Infested plant(s), plant product(s) and other object(s).	<i>Cyclamen persicum</i>
6.5 Vectors present in the area.	-
6.6 Severity of the outbreak.	The infestation with <i>Thrips palmi</i> was limited to one greenhouse. App. 30 % of the plants showed symptoms on the flowers. In the other greenhouses and in the surroundings no <i>Thrips palmi</i> was detected.

6.7 Source of the outbreak.	The <i>Cyclamen</i> were produced from seed at the trial facility. In the trial facility a manifold of sources is possible for the introduction of the pest. This applies for the different trials as well as for visitor groups, presentations, deliveries of plants and general public traffic. Thus no distinct origin of the pest can be identified.
7 Official phytosanitary measures.	
7.1 Adoption of official phytosanitary measures.	<p>(1) Official phytosanitary measures in the form of chemical, biological or physical treatment have been taken</p> <ul style="list-style-type: none"> - Removal and destruction of all plants in the greenhouse facilities of the trial facility in Hans-Tenhaeff-Str. 40-42, 47638 Straelen. - Destruction of all plants in the interior landscaping of the trial facility. - Disposal of the plants in lockable containers as well as the destruction of the plants in a suitable garbage incineration plant. - The disposal of all plant material from the greenhouse facilities was followed by a 70-days quarantine period at 16 °C air temperature. - Subsequent to this quarantine period the efficacy of the measures was checked by means of suitable trap plants (<i>Helianthus annuus</i>) as well as yellow and blue sticky traps. The monitoring of <i>Thrips palmi</i> was conducted until the completion of the quarantine period in the greenhouses at the trial location and the surroundings. An examination of all crops in the trial facility was conducted bi-weekly. All crops in the horticultural companies in a radius of 1,000 m were examined monthly. - Until the completion of the quarantine measures at the end of the 70-days-period no trainings and information activities with external visitors were allowed in the area of the horticultural centre Straelen.
7.2 Date of adoption of the official phytosanitary	31.10.2014: Order to destroy all infested plants.

measures.	<p>27.11.2014: Order to destroy all host plants in the area of the horticultural centre Straelen (including all ornamental plants in the premises) as well as the order of a 70-days quarantine period with the prohibition to cultivate plants in the horticultural centre.</p> <p>11.02.2015: Abolishment of the quarantine period</p>
7.3 Identification of the area covered by the official phytosanitary measures.	<ul style="list-style-type: none"> - 300 m² greenhouse compartment with infested plants - 2.5 ha total area of the horticultural centre (incl. greenhouses, office premises and surroundings) - 1,000 m radius around the horticultural centre Straelen
7.4 Objective of the official phytosanitary measures.	(1) Eradication
7.5 Measures affecting the movement of goods.	(1) Measures do not affect import or movement within the Union of goods.
7.6 Specific surveys.	Intensive control/monitoring has been taken from February 2015 until February 2016 on the presence of <i>Thrips palmi</i> in all horticultural companies and the associate vegetation in a radius of 1,000 m around the horticultural centre Straelen.
8 Pest risk analysis/assessment	Pest risk analysis is not required (harmful organism is listed in Annex I AI of Directive 2000/29/EC)
9 Links to relevant websites, other sources of information.	-



Fig. 1: Location of the finding in Germany marked in white.



Fig. 2: The glasshouse of the trial facility where the infestation was found.