



Update/Closing note PEST REPORT - THE NETHERLANDS

December 2021 Eradication accomplished Finding of *Eotetranychus lewisi* in plants of *Euphorbia pulcherrima* in greenhouses of a breeding company and a nursery of potted plants. (Provinces: Noord-Holland and Gelderland)

1.2 Executive summary

This update report concerns the eradication of the official finding of *Eotetranychus lewisi* in the Netherlands on mother plants and potted plants of *Euphorbia pulcherrima* in greenhouses of a breeding company in the province Noord-Holland and a nursery of potted plants in the province Gelderland. Trace back investigations at the breeding company showed that there were deliveries of cuttings and plants to the breeding company in 2021 from four EU Member States and from the non-EU countries Kenya and Mexico. The EU Member States have been informed. The origin of the finding is still unknown. Trace forward investigations at the breeding company showed deliveries to companies in the Netherlands, including the infested nursery of potted plants and one company in an EU member State. This member state has been informed about the delivery. The organism is listed as Annex IIA organism in the EU Regulation (EU) 2019/2072 and is listed on the EPPO A1 list.). The two infested lots in the quarantine facility in the greenhouse and all other *Euphorbia pulcherrima* plants for planting in other compartments of the greenhouse of the breeding company were blocked. The two infested lots in the quarantine facility have been destroyed. At the nursery with potted plants, all 360 potted plants were infested with *E. lewisi*, and were blocked and finally destroyed. Following the completion of measures at the companies concerned, eradication is confirmed.

Identity of the pest *Eotetranychus lewisi* (McGregor)

Categorization of the pest (Quarantine pest, EU Annex II of implementing Regulation (EU) 2019/2072, EPPO A1 List)

Location: municipalities Noord-Holland and Gelderland.

Reason of the notification: update

How the pest was found (e.g. (6) information submitted by professional operator and (4) trace back and forward inspection related to the specific presence of the harmful organism concerned

Information on the infested area, severity and source of the outbreak – summary

Affected lots concern in total 400 mother plants and 360 potted plants of *Euphorbia pulcherrima*. All lots showed symptoms and were infested with all stages of *E. lewisi*.

Official phytosanitary measures - All *Euphorbia pulcherrima* plants at both companies were blocked. All host plants have been chemical treated. All infested plants have been destroyed at the breeding company and at the nursery of potted plants. All other *Euphorbia pulcherrima* plants and host plants at the breeding company and nursery with potted plants have been chemical treated for four weeks to eliminate all life stages of *Eotetranychus lewisi*.

Two weeks after the chemical treatments all plants at both companies have been checked and no specimens of <i>Eotetranychus lewisi</i> have been found.	
1.3 Type of notification	(3) update of the notification (4) closing note, eradication is confirmed
2.1 Single Authority	Notification from the National Plant Protection Organization of the Netherlands – Netherlands Food and Consumer Product Safety Authority
2.2 Official contact	M.S.W Gerrits +31651229622 Email: m.s.w.gerrits@nvwa.nl
3. Location of presence of harmful organism	3.1 Provinces Noord-Holland and Gelderland
3.2 Map of the location.	Not relevant
4. Reason of the notification and pest status	4.1 (1) First presence of the harmful organism Eradication
4.3 Previous Pest status	(15) Transient: actionable, under eradication
4.4 Current Pest status	(9) Absent: Pest eradicated
5. Information relating to the finding.	5.1 How the harmful organism was found. (6) information submitted by professional operators on 18 August 2021 and (4) trace forward inspection related to the specific presence of the harmful organism concerned on 1 September 2021
5.2 Date of finding.	The identity of the pest was confirmed by the National Reference Centre on 25 August 2021 (Noord-Holland) and 3 September 2021 (Gelderland)
5.3 Sampling for laboratory analysis	For the locations in Noord-Holland and Gelderland samples with respectively two and four infested potted plants were sealed on 23 August 2021 and 1 September 2021. Both samples were analysed at the entomology laboratory of NRC on the next day after arrival.


Pictures of plants taken by NRC – NPPO of the Netherlands

1) At breeding company Noord-Holland



2) At nursery with potted plants in Gelderland



	<p>3) <u>Female and eggs of <i>E. lewisi</i> (Gelderland)</u></p> 
5.4 Laboratory	<p>Mr Anton T.C. van der Sommen. Tel: +31 65 124 7175 Email: a.t.c.vandersommen@nvwa.nl National Reference Centre - NPPO of the Netherlands</p>
5.5 Diagnostic method.	<p>(1) According to peer reviewed protocol; After preparation in Hoyer's females as well as males of each plant were identified with EPPO diagnostic protocol PM 7/68 (1) (2006) and Gotoh & Arabuli (2019): New species of the genus <i>Eotetranychus</i> (Acari, Prostigmata, Tetranychidae) from Japan. Zootaxa 4555 (1): 001-027.</p>
5.6 Date of official confirmation of the harmful organism's identity	<p>Noord-Holland: 25 August 2021 Gelderland: 3 September 2021</p>
6. Information related to the area, severity of the finding and source of the finding	<p>1 Quarantine facility in a greenhouse of 80 m2. 1 greenhouse of 2,3 ha</p>
6.2. Characteristics of the infested area and its vicinity.	<p>(3) Physically closed conditions (3.1) 1 greenhouse with plants for planting 1 greenhouse with potted plants</p>
6.3. Host plants in the infested area and its vicinity.	<p><i>Euphorbia pulcherrima</i></p>

6.4. Infested plant(s), plant product(s) and other object(s).	1) 400 mother plants for planting of <i>Euphorbia pulcherrima</i> 2) 360 potted plants for planting of <i>Euphorbia pulcherrima</i>
6.5. Vectors present in the area.	Not relevant
6.6. Severity of the outbreak.	Two infested lots (in total 400 mother plants) in the quarantine facility in the greenhouse in Noord-Holland were heavily infested with all life stages of <i>E. lewisi</i> The nursery with potted plants received cuttings from these mother plants. These 360 potted plants were also infested with all life stages of <i>E. lewisi</i> .
6.7. Source of the outbreak.	The source of the infestations is unknown. Trace backward investigations did not reveal the source.
7. Official phytosanitary measures	
7.1. Adoption of official phytosanitary measures.	(1) Official phytosanitary measures in the form of chemical, treatment have been taken; (2) Official phytosanitary measures, other than measures in the form of chemical, biological or physical treatment, have been taken; All <i>Euphorbia pulcherrima</i> plants at both companies were blocked. The infested lots at the breeding company and at the nursery with potted have been destroyed. All other <i>Euphorbia pulcherrima</i> plants and host plants at the breeding company and nursery with potted plants have been chemical treated for four weeks to eliminate all life stages of <i>Eotetranychus lewisi</i> . Two weeks after the chemical treatments all plants at both companies have been checked, and no specimens of <i>Eotetranychus lewisi</i> have been found. All official phytosanitary measures have been lifted on 12 November 2021 at the nursery of potted plants and on 29 December 2021 at the breeding company.
7.2. Date of adoption of the official phytosanitary measures. In case of temporary measures, indication of their expected duration.	23 August 2021 (breeding company) and 1 September (potted plant nursery) [affected lots on hold pending laboratory analyses 25 August 2021 (breeding company), 7 and 17 September (potted plant nursery) [written decision on official phytosanitary measures sent to the company]

<p>7.3. Identification of the area covered by official phytosanitary measures — indicate the method used to identify the area covered by official phytosanitary measures. Provide the results of the surveys that have been carried out.</p>	<p>1 Quarantine facility in a greenhouse of 80 m2. 1 greenhouse of 2,3 ha with potted plants of <i>Euphorbia pulcherrima</i> and other non-host plants</p>
<p>7.4. Objective of the official phytosanitary measures.</p>	<p>(1) eradication</p>
<p>7.5. Measures affecting the movement of goods. Indication of one of the following options</p>	<p>(2) measures do not affect import into or movement within the Union of goods.</p>
<p>7.6. Specific surveys.</p>	<p>All lots of <i>Euphorbia pulcherrima</i> have been inspected. Other related companies have been inspected and no specimens of <i>E. lewisi</i> have been found. At the same time a national survey has been performed at several companies with <i>Euphorbia pulcherrima</i> potted plants. Only at one company dead specimens were found. In 2022, post import monitoring inspections will be conducted at breeding companies of plants of <i>Euphorbia pulcherrima</i> and nurseries with potted plants of <i>Euphorbia pulcherrima</i>.</p>
<p>8. Pest risk analysis/assessment</p>	<p>(1) Pest risk analysis is not required (harmful organism is listed in Annex II of Regulation 2019/2072</p>
<p>9. Links to relevant websites, other sources of information.</p>	<p>https://english.nvwa.nl/topics/pest-reporting/contents/pest-reports</p>