



Volumen 6 nº 11, Diciembre de 2021

Volume 6 nº 11, December 2021

Professional Plant Protection

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Cuarentena*

J. L. Andrés Ares & International Plant Quarantine Workgroup

Technical and regulatory review

Revisión técnica y normativa

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Professional Plant Protection II: 65–94

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2445-1703(20211126)6: 11<65:QTOTWO>1.0;CD;2-Y

Technical and regulatory review – *Revisión técnica y normativa*

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Adcribed to the project INTERNATIONAL PLANT QUARANTINE

Adscrito al proyecto CUARENTENA VEGETAL INTERNACIONAL.

Summary

On the present paper the author carries out an actualized checklist of the thysanoptera species that are considered formal quarantine arthropods –according to the FAO concept– in any country of the world.

Key words: *Thysanoptera*

Resumen

En el presente trabajo el autor realiza una lista actualizada de las especies de tisanopteros consideradas de cuarentena en cualquier país del mundo según el concepto formal de plaga de cuarentena definido por la FAO.

Palabras clave – *Thysanoptera*

1. Terminological and conceptual precisions

According to FAO a quarantine agent is “an agent of potential economic importance to the area endangered thereby and not yet present there, or present but not widely distributed and being officially controlled”. This concept is different to the concept of regulated agent which is defined by the same organization as “a quarantine agent or a regulated non-quarantine agent” and also different from the concept of regulated non-quarantine pest defined by FAO as “a non-quarantine agent whose presence in plants for planting, affects the intended use of those plants with an economically unacceptable impact and which is therefore regulated within the territory of the importing contracting party”. Not all of the countries have formal quarantine agent lists, some have either quarantine and regulated agent lists and others have only regulated agent lists. We have only considered on this paper formal quarantine agents, included on laws published by the governments of the countries, not of regions of such countries. Regulated non-quarantine thrips will be matter of a different paper.

Quarantine thrips are relatively important in number and one of the most important quarantine agents group due to their biological characters, they have several cycles on one single host during a single productive season, most of the species are very polyphagous, they may transmit severe virus diseases, many of them considered quarantine diseases in many countries, they are easily dispersed large distances, are difficult to

manage with conventional chemical methods and are easily resistant to conventional insecticides. These are the main reasons of the importance of their quick detection before they establish on new countries.

The objective of the present paper is to present the most important quarantine thrips of the world in 2021, the countries where they are considered quarantine agents and their most important referenced hosts. They are classified following conventional taxonomical criteria. We have only included host genera that have species with agronomical or ornamental interest.

2. List of quarantine *Thysanoptera* worldwide

ORDER THYSANOPTERA

2.1. Family *Aeolothripidae*

1. Scientific name: ***Aeolothrips collaris* Priesner 1919**

Synonyms:

- *Aeolothrips brevicinctus* Bagnall, 1934
- *Aeolothrips fulvicollis* Bagnall, 1919
- *Aeolothrips meridionalis* Priesner, 1948
- *Aeolothrips palaestinensis* Priesner, 1935
- *Aeolothrips perclarus* Melis, 1932

Quarantine countries: Mexico

Hosts: *Triticum aestivum*, *Hordeum vulgare*, *Avena sativa* & *Zea mays*.