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horticultural and ornamental crops in Galicia

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ornamentales en Galicia

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J. L. Andrés Ares
A. Rivera Martínez

Xunta de Galicia
Consultorías Noroeste S.C.



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Phytophthora nicotianae patógeno de cultivos hortícolas y ornamentales en Galicia.

J.L. Andrés Ares ^{1,2} & A. Rivera Martínez ^{1,3}

¹ Former investigation site. Centro de Investigaciones Agrarias de Mabegondo – Xunta de Galicia

² Actual investigation site. Consultorías Noroeste S.C.

³ Actual investigation site. Servizo de Explotacións Agrarias A Coruña – Xunta de Galicia

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Abstract

The authors describe all of the pathological and epidemiological studies of this pathogen *Phytophthora nicotianae* on Galician horticultural and ornamental production centres, all of them carried out by the authors of the paper, as part of their work as Public Investigators, members of Public Plant Protection Services or as private investigators, performed from 2001 to 2020.

Keywords: *Phytophthora nicotianae*, Galicia, *Capsicum annuum*, woody ornamentals, herbaceous ornamentals.

Resumen

En el presente artículo se describen los trabajos patológicos y epidemiológicos realizados por los autores sobre el cromista patógeno *Phytophthora nicotianae*, realizados tanto en las explotaciones hortícolas como ornamentales de Galicia, como parte de su trabajo como investigadores públicos, miembros de los organismos públicos de Sanidad Vegetal o como investigadores privados y realizados durante el periodo que va de 2001 a 2020.

Palabras clave: *Phytophthora nicotianae*, Galicia, *Capsicum annuum*, ornamentales leñosas, ornamentales herbáceas..

1. Introduction

On 2003, studying the collar and root rot pathogens of *Capsicum annuum* on Galician farms, the authors confirmed that *Phytophthora nicotianae* was an important chromistic pathogen with similar incidence as *Phytophthora capsici* or *Verticillium dahliae*. On 2015 one of the authors also described the isolation of *Phytophthora nicotianae* from several woody ornamental species with collar

and root rot symptoms, on Galician nurseries. On 2017 this same author confirmed the isolation of this chromistic pathogen from herbaceous ornamental plants with collar and root rot symptoms, grown on container conditions on Galician plant production centres. The objective of this paper is to describe all of the etiological, pathological and epidemiological studies of this pathogen on Galician plant production centres, all of them carried