ARTÍCULO CIENTÍFICO

NEMATODOS FITOPARÁSITOS ASOCIADOS CON TOMATE DE ÁRBOL (*Solanum betaceum* Cav.) EN LAS PROVINCIAS DE IMBABURA, PICHINCHA Y TUNGURAHUA, ECUADOR

Ramírez, Freddy[a,b]; Grijalva, Rosita[b]*; Navarrete, Ximena[b]; Guerrero, Ricardo[c]

[a] Universidad de las Fuerzas Armadas - ESPE, Facultad de Ciencias Agropecuarias, IASA I, Hda. El Prado, Sangolquí, Ecuador
[b] Agencia Ecuatoriana de Aseguramiento de la Calidad del Agro, AGROCALIDAD, Laboratorio de Nematología, Av. Interoceánica Km 14 1/2 La Granja MAGAP, Tumbaco, Ecuador
[c] SENESCYT, Secretaria Nacional de Educación Ciencia y Tecnología / Proyecto Prometeo, ECUADOR.

Ingresado: 30/04/2015 *Aceptado: 21/09/2015*

PHYTOPARASITIC NEMATODES ASSOCIATED WITH TREE TOMATO (*Solanum betaceum* Cav.) IN THE PROVINCES OF IMBABURA, PICHINCHA AND TUNGURAHUA, ECUADOR

Abstract
The tree tomato is one of the most important fruit crops in Ecuador. The provinces of Imbabura, Pichincha and Tungurahua has been the biggest producers in the territory, and the nematodes have proved to be a problem for this crop plant. Between June and December 2014, a total of 42 samples were taken for identify nematodes associated with tomato tree in these locations, also to determine their populations and their similarity. The genera *Meloidogyne* and *Nacobbus* were the most frequent and abundant ones with values between 73.68% and 100% of frequency, comprising about 75% of the nematodes. Furthermore, we report by first time here the presence of genera *Aphelenchus, Criconemoides, Hemicycliophora, Helicotylenchus, Paratylenchus, Pratylenchus, Telotylenchus, Trichodorus*, and *Tylenchus* in tomato tree of Ecuador. A similarity analysis shows that the provinces of Pichincha and Imbabura have the most similar nematofauna and Tungurahua has the majority genera diversity.

Keywords: *Meloidogyne*, *Nacobbus*, similarity indices, tomato tree, nematofauna.

*Correspondencia a: Rosita Grijalva, AGROCALIDAD, Laboratorio de Nematología, Av. Interoceánica Km 14 1/2 La Granja MAGAP, Tumbaco, Ecuador. Teléfono: +593 2372844 ext. 217-218
e-mail: rousgm24@hotmail.com