



Universidad Nacional Toribio Rodríguez de Mendoza de Amazonas (UNTRM) | Chachapoyas, Amazonas - Perú

Peru, October 10, 2025

Escuela Profesional de Agronomía
Facultad de Ingeniería y Ciencias Agrarias

Prof. Dr. Yinglong Chen

Editor-in-Chief

Crops

Flavio Lozano-Isla
Prof. PhD(c)

T.: +51 999997400
E.: flavio.lozano@unrm.edu.pe
E.: flozanoisla@gmail.com

Dear Editor,

I hereby enclose the manuscript entitled “Efficacy of Biological and Chemical Control Agents Against the Potato Psyllid (*Bactericera cockerelli* Šulc) Under Field Conditions” by Cárdenas-Huamán *et al.* to be considered for publication in *Crops*.

Our research is the first scientific report of psyllid *Bactericera cockerelli* in Perú. We demonstrated the efficacy of chemical control (thiamethoxam + lambda-cyhalothrin, abamectin, and imidacloprid) and biological control based on *Beauveria bassiana*, *Paecilomyces lilacinus*, and *Metarhizium anisopliae* in reducing populations of the potato psyllid *Bactericera cockerelli* under field conditions. The results confirm that, although chemical control shows greater immediate effectiveness, biological agents offer good potential for incorporation into integrated pest management programs, which constitutes a relevant contribution to more sustainable potato crop production. It is important to note that vector suppression alone does not guarantee the absence of symptoms of the purple-top complex in plants, nor the zebra chip disease in potato tubers.

We think this manuscript is suitable for publication as the research reflects the aims and scope of your journal. We confirm that neither the manuscript nor any parts of its content are currently under consideration for publication with or published in another journal. All authors have approved the manuscript and agree with its submission to *Crops*.

Yours sincerely,

Flavio Lozano-Isla
Corresponding author