

## Accepted Manuscript

Integrating immunomarking with ecological and behavioural approaches for assessing consumption of *Helicoverpa* spp. larvae by wolf spiders in cotton

Dalila Rendon, James R. Hagler, Phillip W. Taylor, Mary E.A. Whitehouse

PII: S1049-9644(18)30197-X

DOI: <https://doi.org/10.1016/j.biocontrol.2018.03.019>

Reference: YBCON 3745

To appear in: *Biological Control*

Received Date: 9 December 2017

Revised Date: 29 March 2018

Accepted Date: 30 March 2018



Please cite this article as: Rendon, D., Hagler, J.R., Taylor, P.W., Whitehouse, M.E.A., Integrating immunomarking with ecological and behavioural approaches for assessing consumption of *Helicoverpa* spp. larvae by wolf spiders in cotton, *Biological Control* (2018), doi: <https://doi.org/10.1016/j.biocontrol.2018.03.019>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

**Journal: Biological Control**

**Title:** Integrating immunomarking with ecological and behavioural approaches for assessing consumption of *Helicoverpa* spp. larvae by wolf spiders in cotton

**Dalila Rendon**<sup>\*1,2</sup>, **James R. Hagler**<sup>3</sup>, **Phillip W. Taylor**<sup>2</sup>, and **Mary E.A Whitehouse**<sup>1</sup>

<sup>1</sup>CSIRO Agriculture and Food, Australian Cotton Research Institute, 21888 Kamilaroi Hwy, Narrabri NSW 2390, Australia

<sup>2</sup>Department of Biological Sciences, Macquarie University, Sydney NSW 2190, Australia

<sup>3</sup>USDA-ARS Arid-Land Agricultural Research Center, 21881 North Cardon Lane, Maricopa, AZ 85138, USA

**\*Corresponding author (present address):** Dalila Rendon, Department of Horticulture, Oregon State University.

Mid-Columbia Agricultural Research and Extension Center, 3005 Experiment Station Drive, Hood River Oregon, 97031, USA.

Email: rendonda@gmail.com

**Conflicts of interest:** None

**Author contributions:** DR, MEAW and PWT conceived and designed the field experiments. JRH designed the immunomarking protocol and the laboratory retention experiment. DR collected and analysed the data. DR wrote the manuscript, all authors edited the manuscript.

Download English Version:

<https://daneshyari.com/en/article/8877615>

Download Persian Version:

<https://daneshyari.com/article/8877615>

[Daneshyari.com](https://daneshyari.com)