

# Contribución de la biodiversidad a servicios de polinización en cultivos de paltos



## Polinización

Proceso de transferencia de polen desde los estambres al estigma de una flor, donde germina y fecunda los óvulos permitiendo el desarrollo de semillas y frutos.

## Servicios ecosistémicos

“Procesos y condiciones mediados por los ecosistemas y su biodiversidad que sostienen y mejoran la calidad de vida de las personas”





GREENPEACE

Home Situation Causes Solutions Demands

# The Bees in Decline

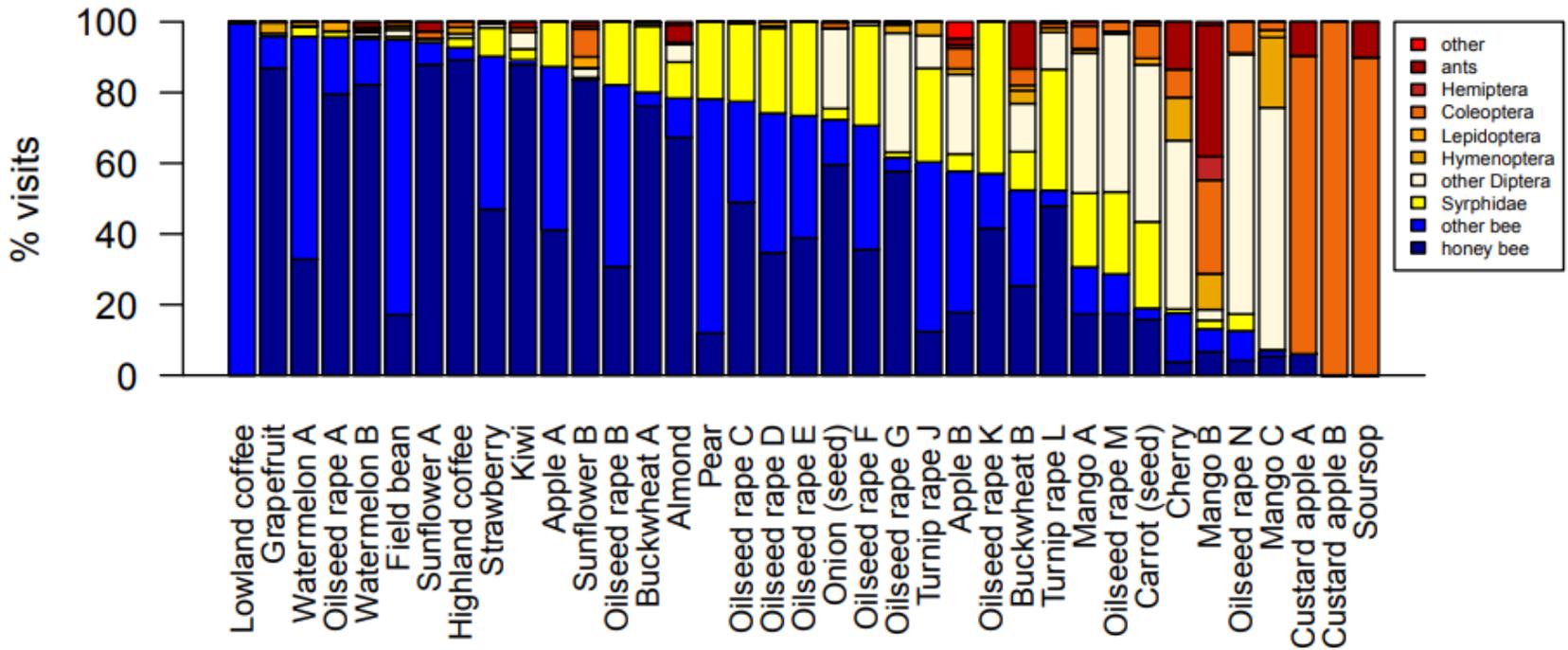
SAVE THE BEES!

The risks for agriculture in europe

LEARN MORE

A banner for Greenpeace titled "The Bees in Decline" with a "SAVE THE BEES!" slogan and a "LEARN MORE" button. The background is a field of yellow flowers under a blue sky with two bees flying.

theguardian



Rader et. al. 2016

coolthingoftheday



Aside from bees and butterflies, bats are one of the most important pollinators on the planet - especially in tropical and desert regions.

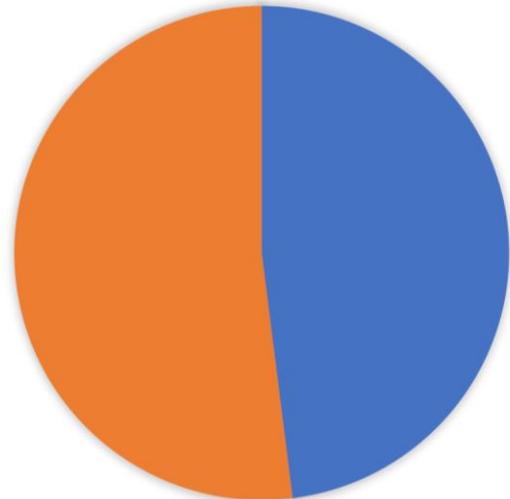
(Source)

aeon-fux

lost in the sauce



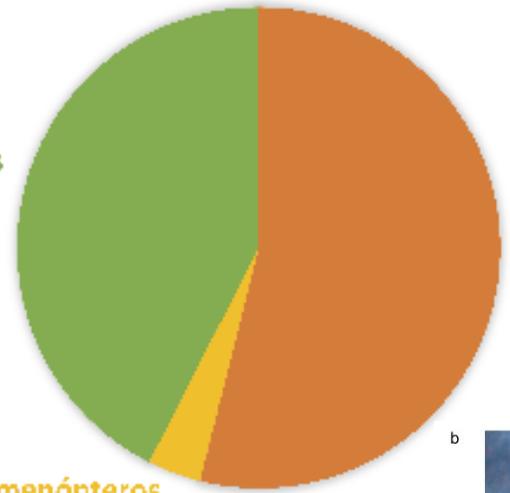
Insectos nativos  
52%



VISITANTES DE PALTO



Dípteros  
42%



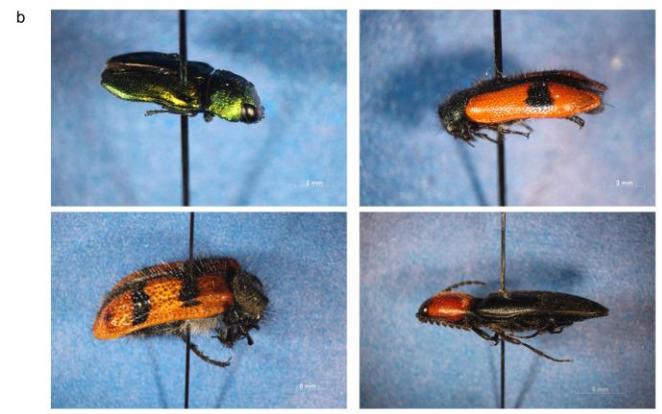
VISITANTES SILVESTRES DE PALTO

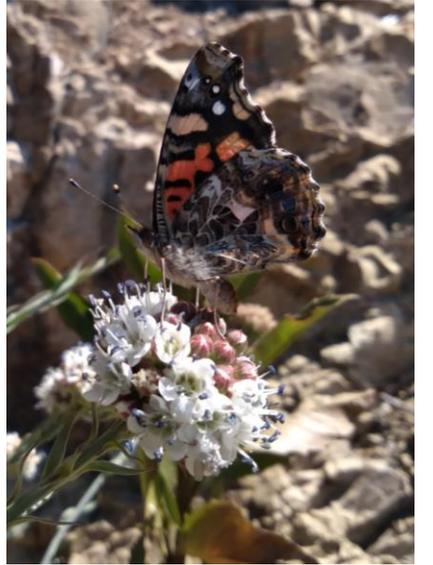
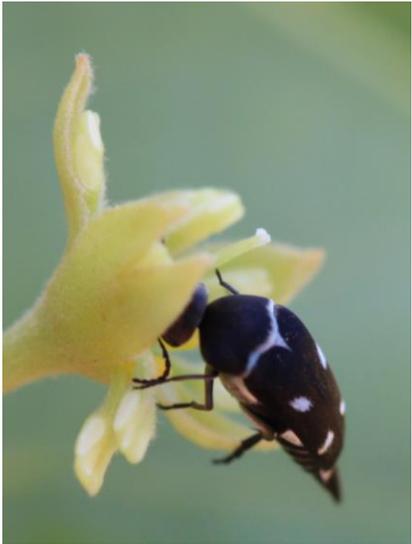
*A. mellifera*  
48%

Himenópteros  
4%



Coleópteros  
54%





# ¿Cómo manejar los servicios de polinización de insectos silvestres en huertos de palto?

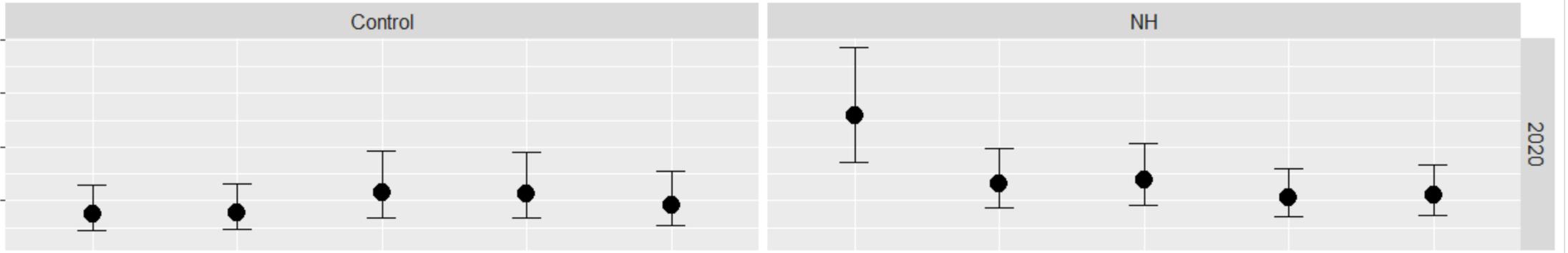
Desarrollo de atrayente artificial como insumo para la implementación de estrategia de manejo de la polinización en huertos de palto var. Hass de la Región de Valparaíso

PYT-2020-0250





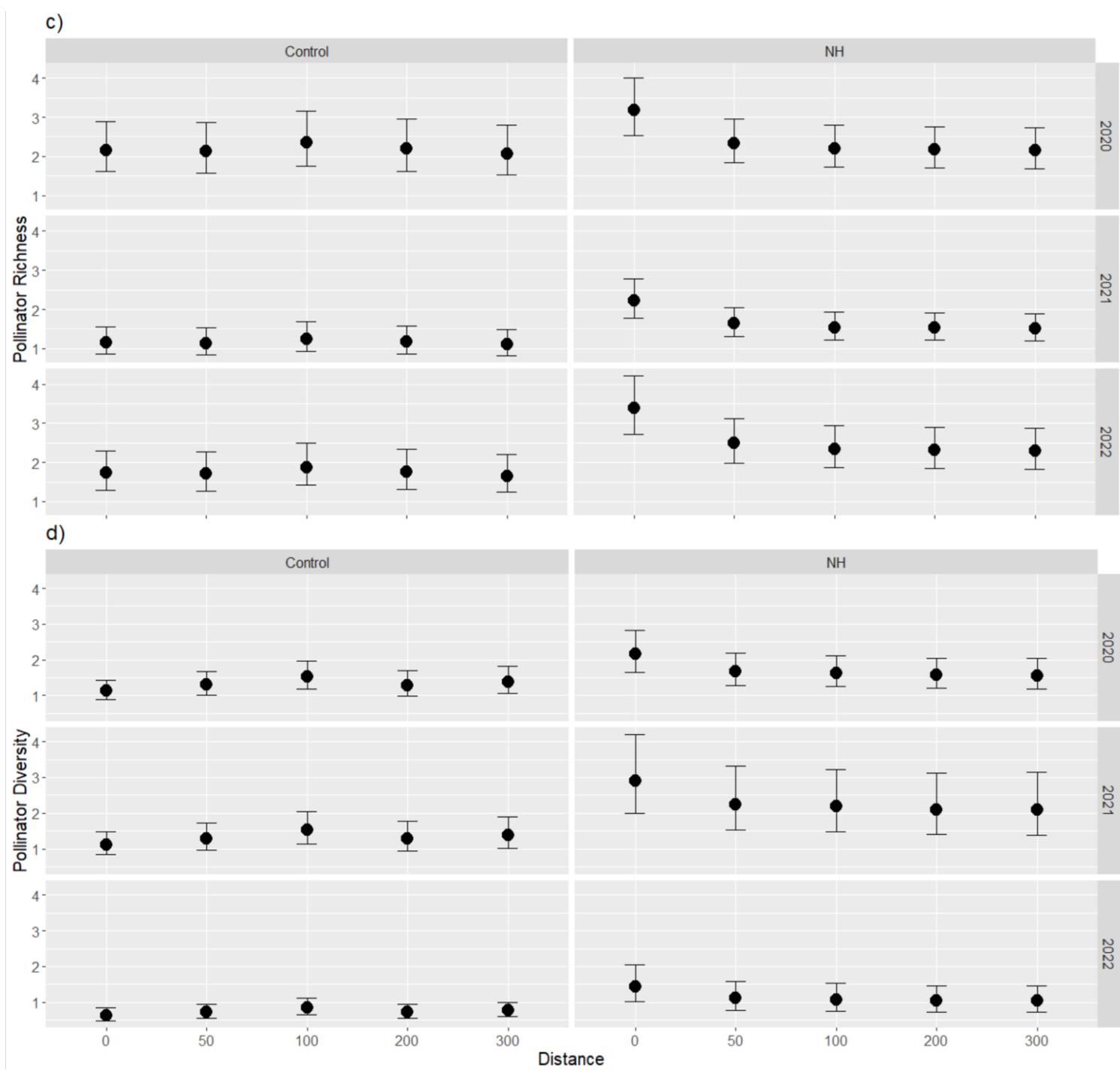
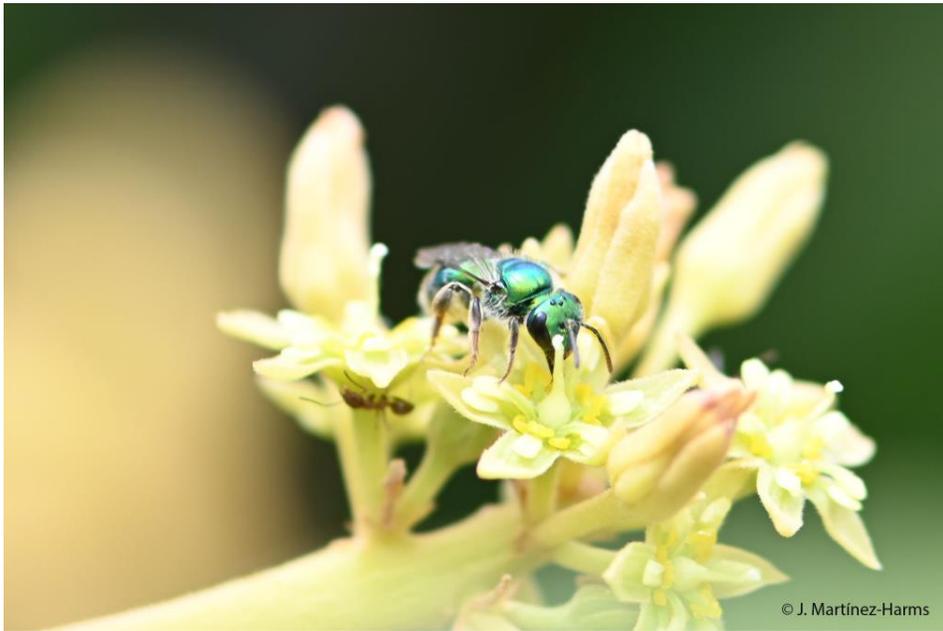
Wild Pollinator Abundance

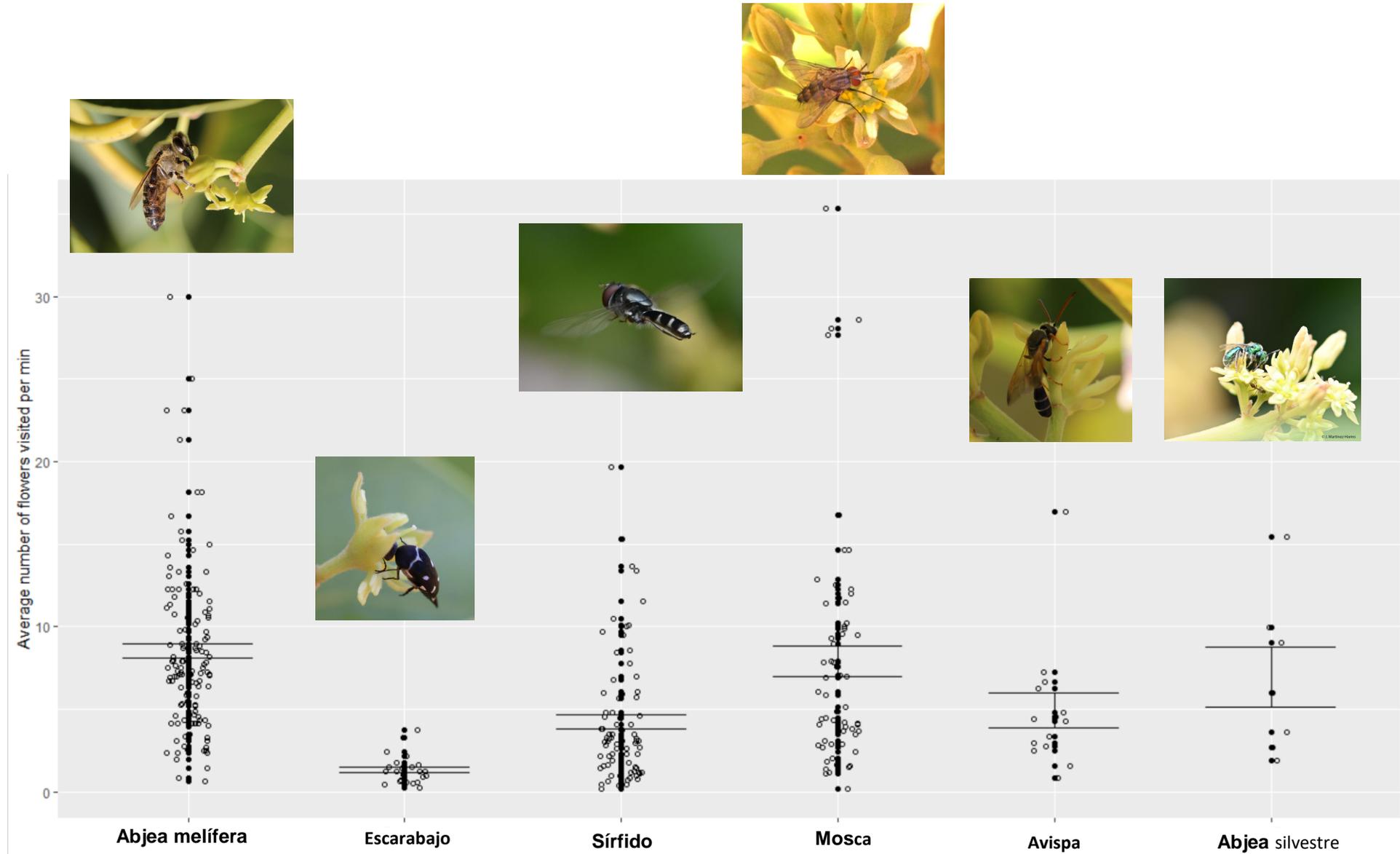


2020

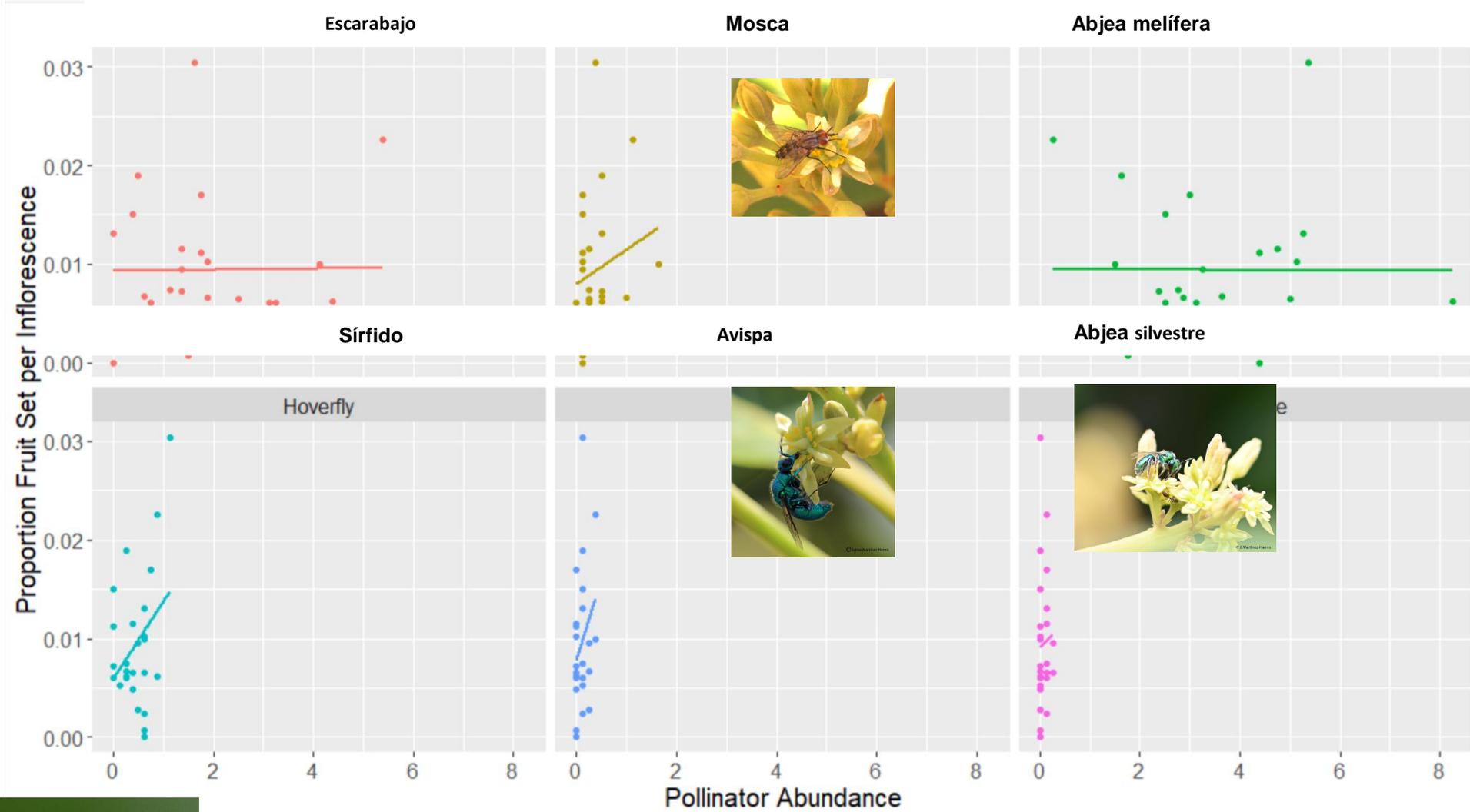








-Abejas y moscas manipulan el mayor número de flores por minuto, 8.5 y 7.9 respectivamente



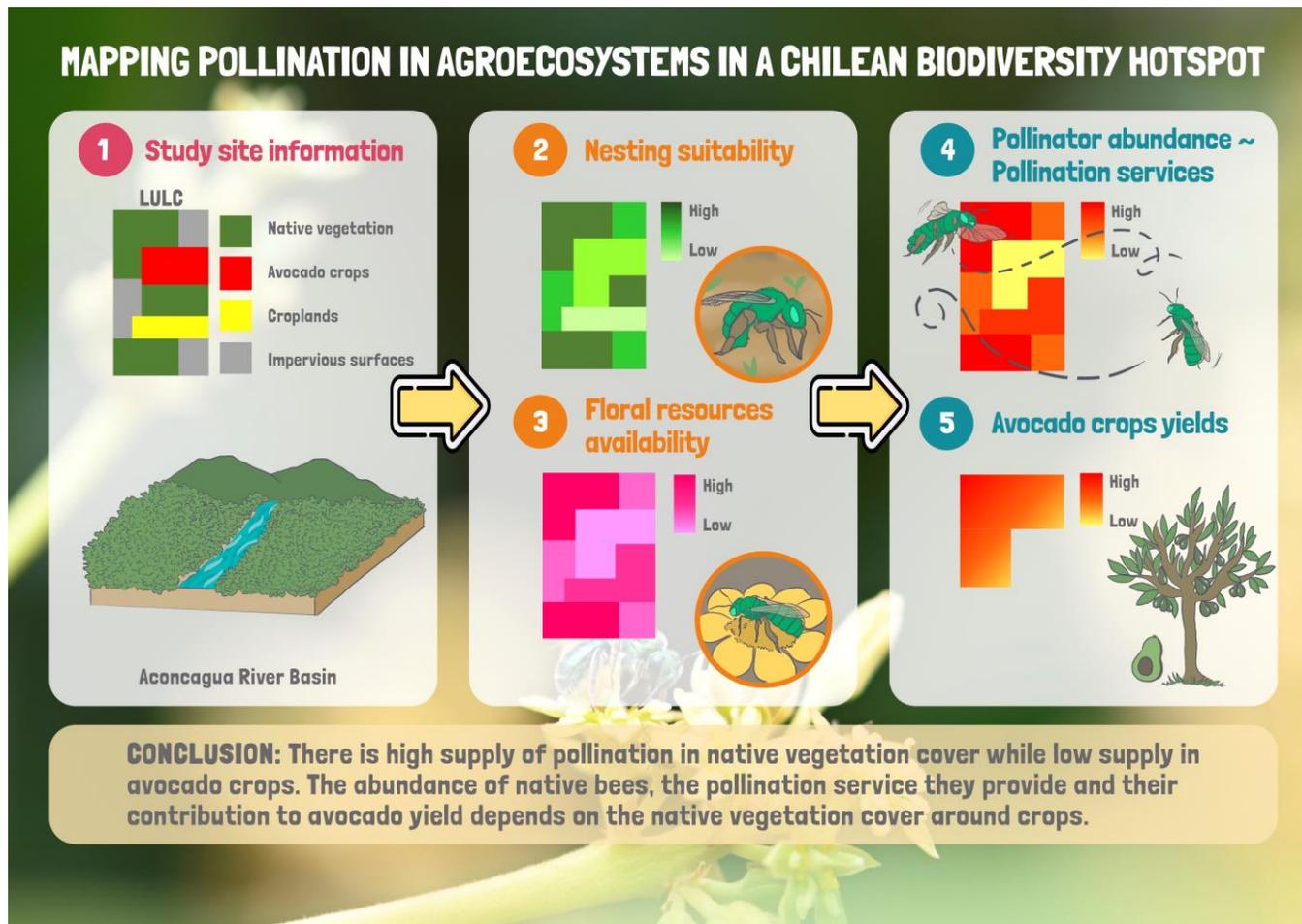
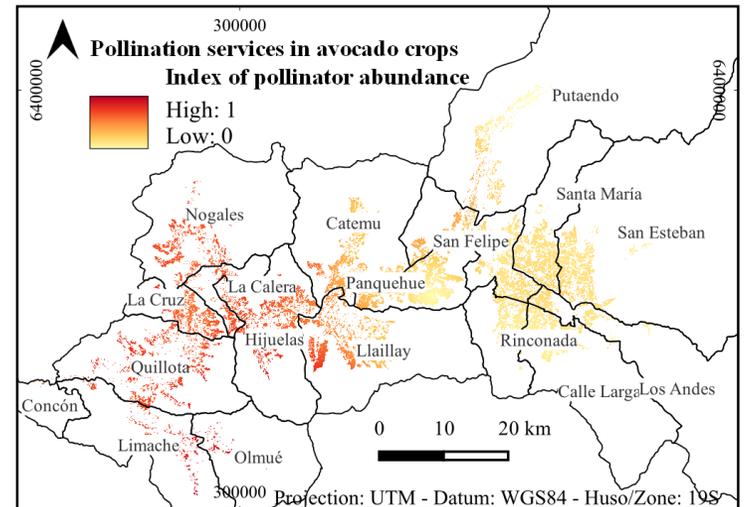
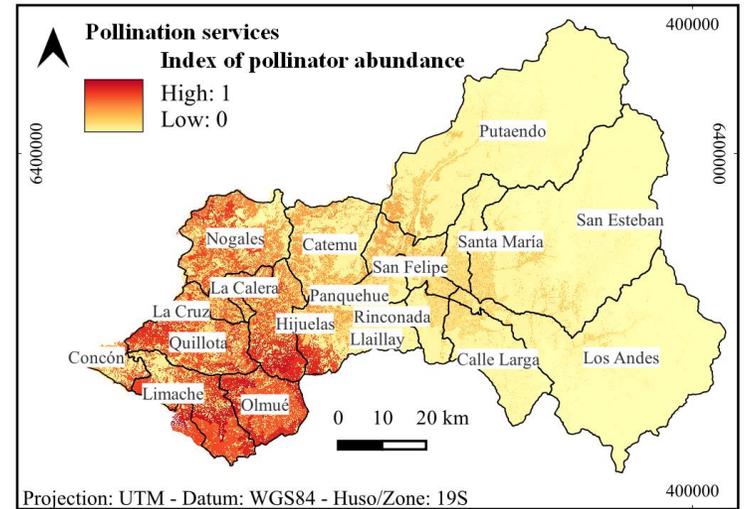
Existe una relación positiva entre la abundancia de sirfidos y formación de frutos (p-value 0.003)

RESEARCH

 OPEN ACCESS 

# Modelling pollination maps in agroecosystems of a Chilean biodiversity hotspot

U. Lavín<sup>a,b</sup>, M. J. Martinez-Harms <sup>a,b,c</sup>, J. L. Celis-Diez<sup>a,d,e</sup>, J. P. Francois<sup>f,g</sup>, Y. Aguirre<sup>f</sup> and J. Martínez-Harms <sup>h</sup>

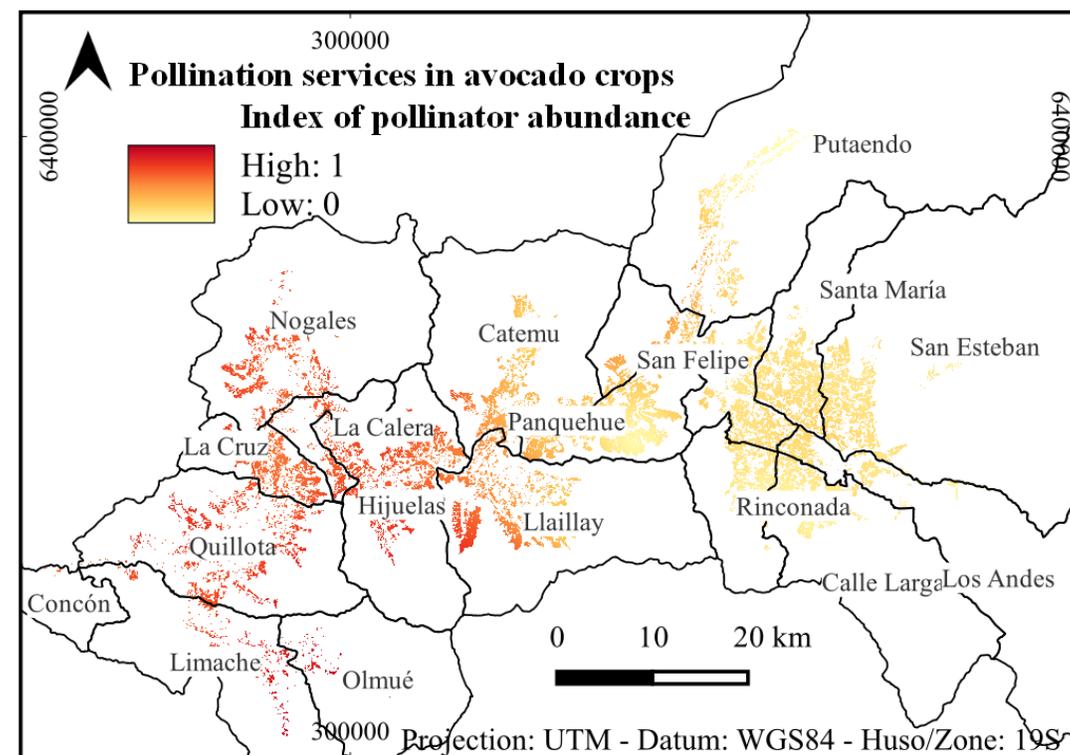
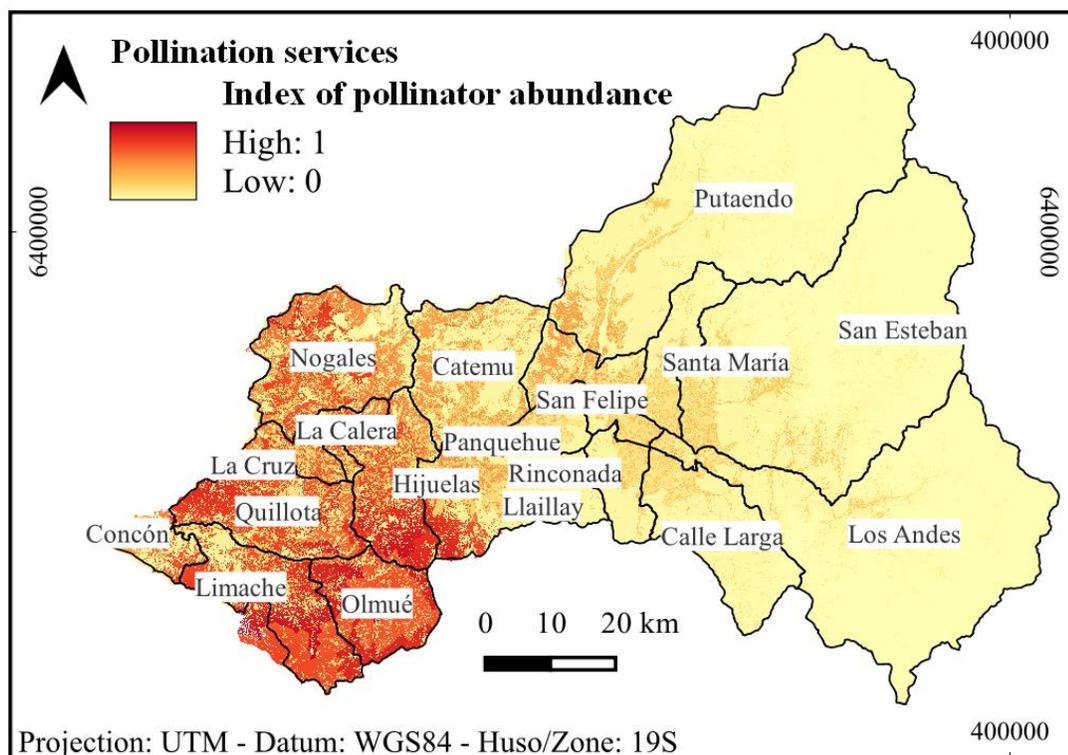


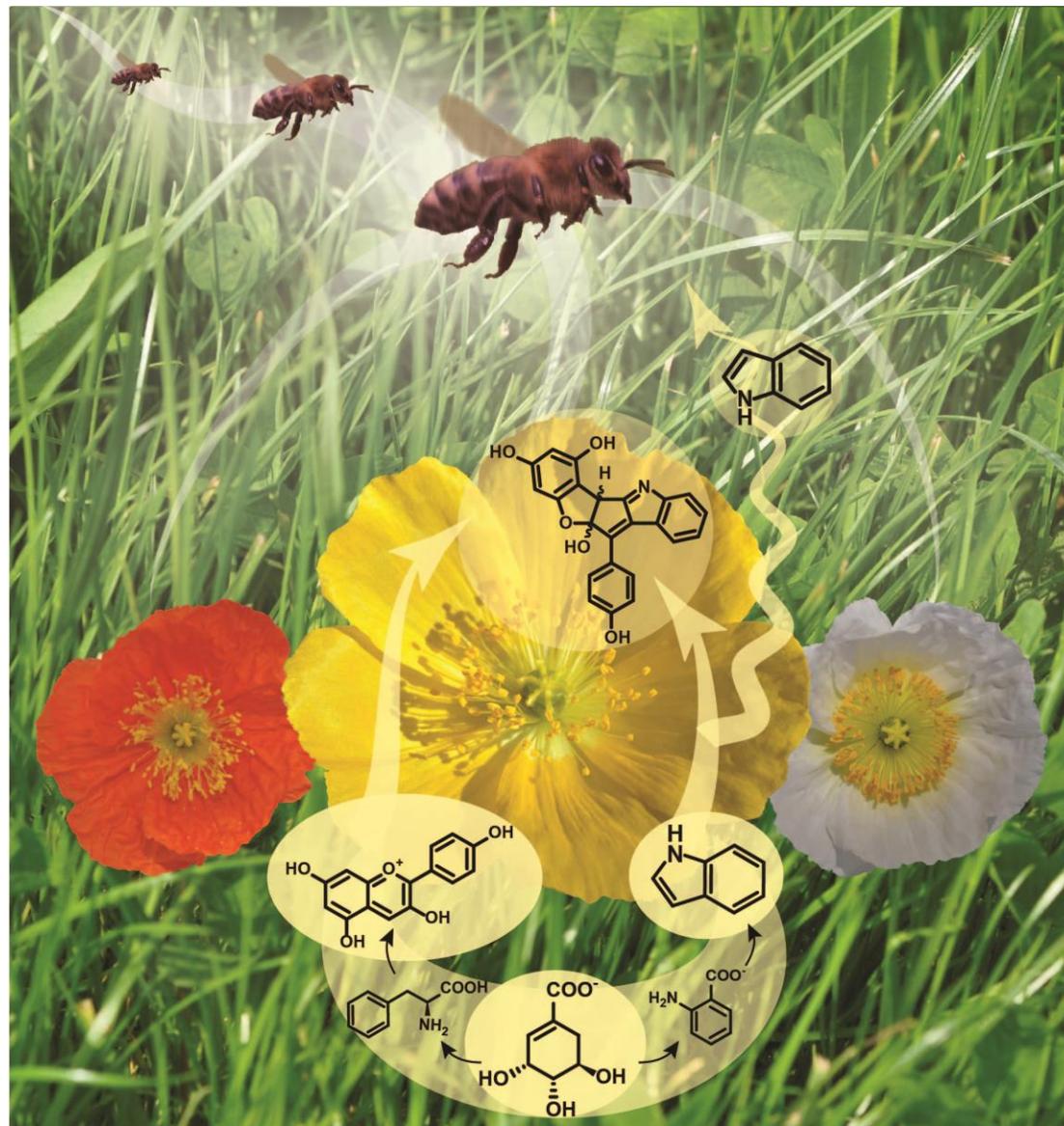
RESEARCH

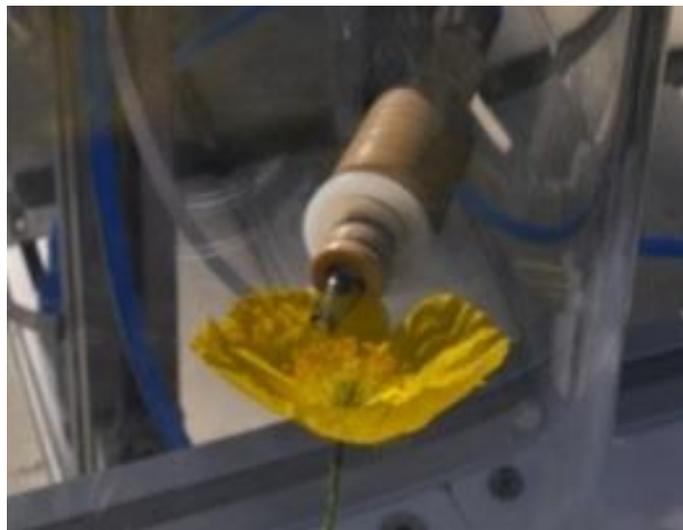
 OPEN ACCESS  Check for updates

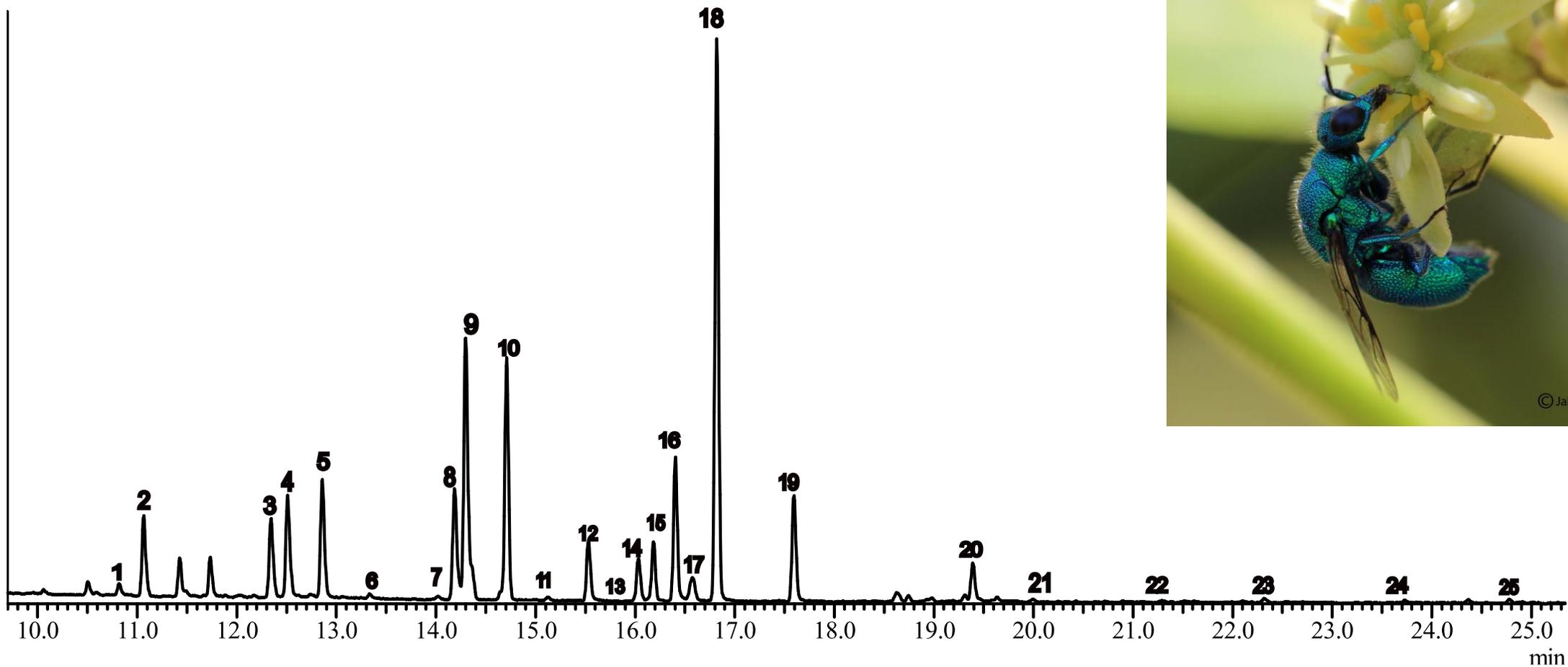
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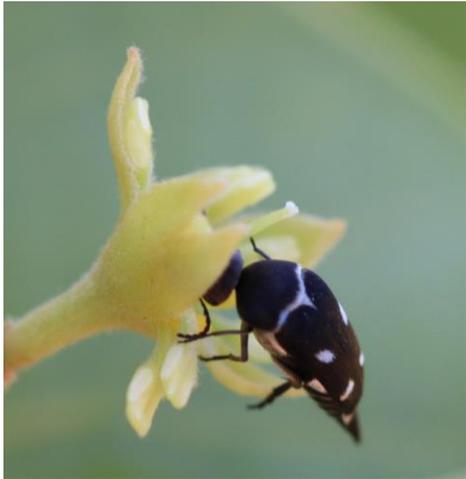


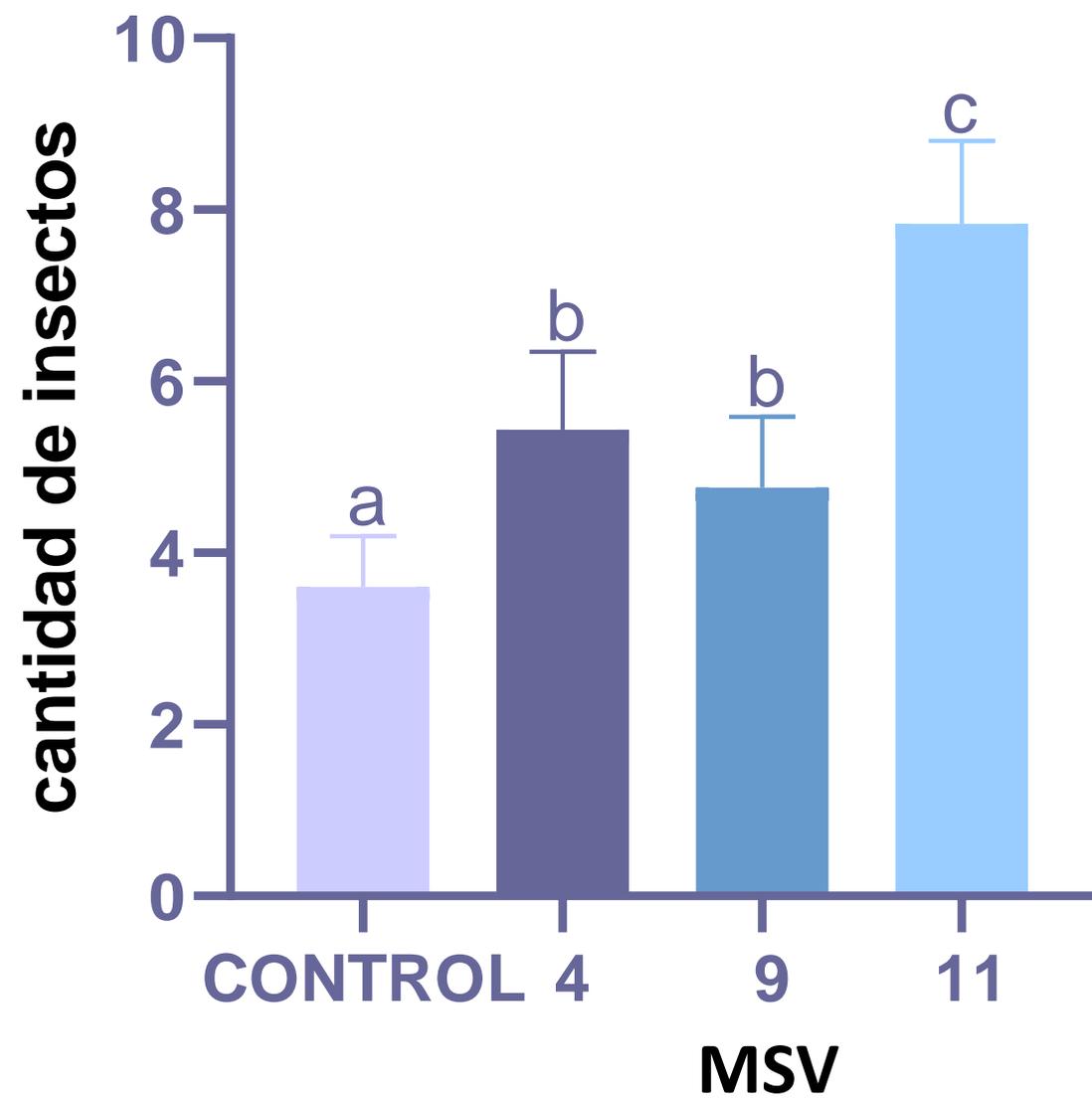
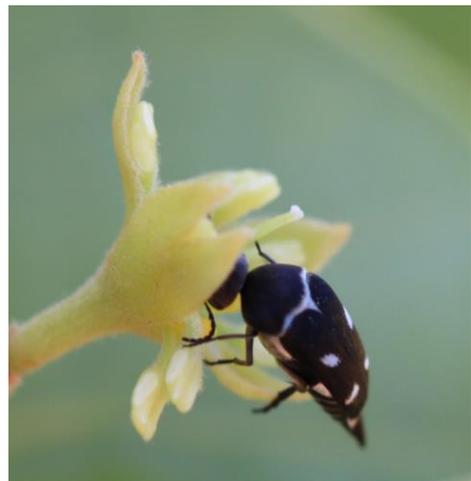
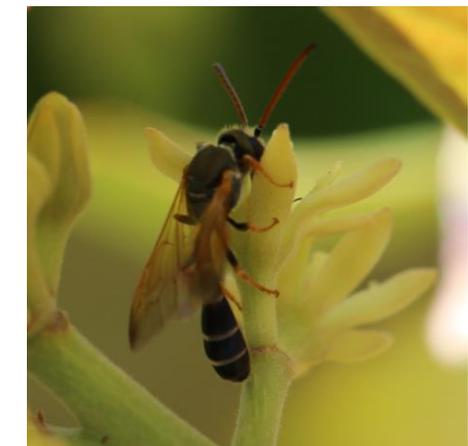
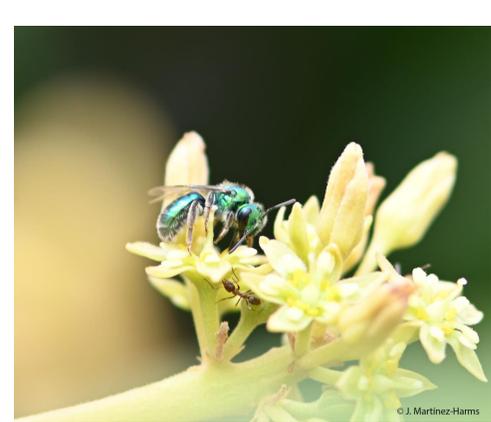


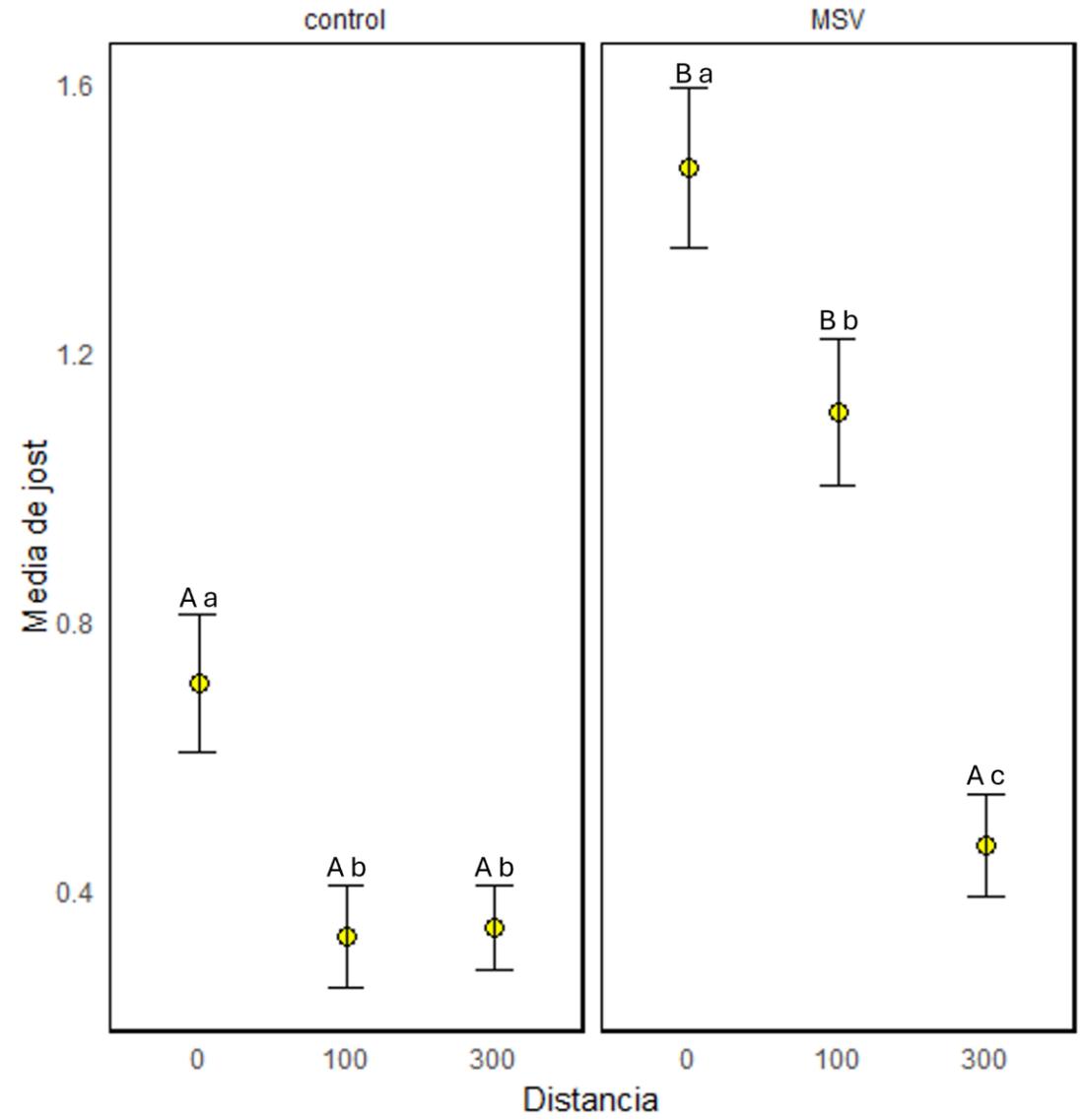




Hidrocarburos monoterpénicos y monoterpenos oxigenados



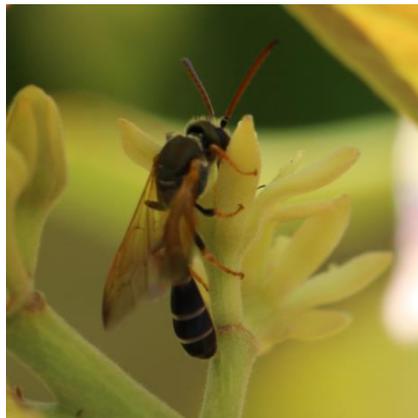
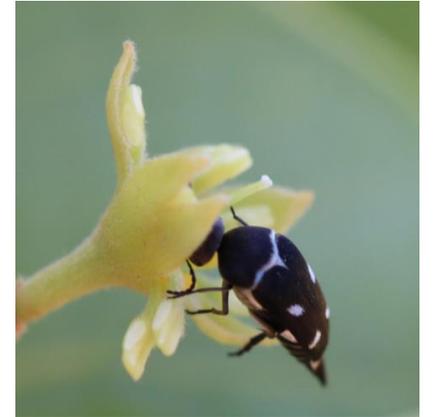




¿Cómo manejar los servicios de polinización de insectos silvestres en huertos de palto?

Aumento de hábitat de polinizadores silvestres

Atrayente artificial



**Gracias por su atención!**

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