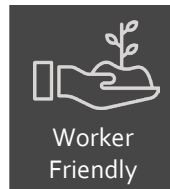




IR-4 Food-Use Product Updates Industry Technology Session

Maryna Serdani – Sr. PD Manager PNW

July 21, 2022 • NASDAQ: MBII



On July 12, 2022 Marrone Bio Innovations merged with Bioceres Crop Solutions Corp. Moving forward, MBI will be operating in the US under the name Pro Farm Group, Inc.





OVERVIEW

- MBI-306 overview
- Data for MBI-306
- New 2ee labels issued





Overview of MBI-306

- A new insecticide/miticide/nematicide TGAI
- Based on inactivated *Burkholderia rinojensis* strain A396 cells and spent fermentation media
- Foliar, seed and soil applications evaluated in 2019-present
- Broad label and pests submitted on a master label
- Maximum label rate anticipated to be 20 fl. oz./acre (1.5 liters/ha)



Overview of MBI-306 (cont'd)

- Anticipate a MRL exemption, 4 hour REI, zero days to harvest and NOP compliance
- Internal 2019-2021 trials successful on several key pests
- 2022 trial results are arriving and to be expected in Fall 2022
- Registration package submitted to EPA in September 2021
- EPA PRIA date is late April 2023
- First product launch anticipated in 2023



Overview of MBI-306 (cont'd)

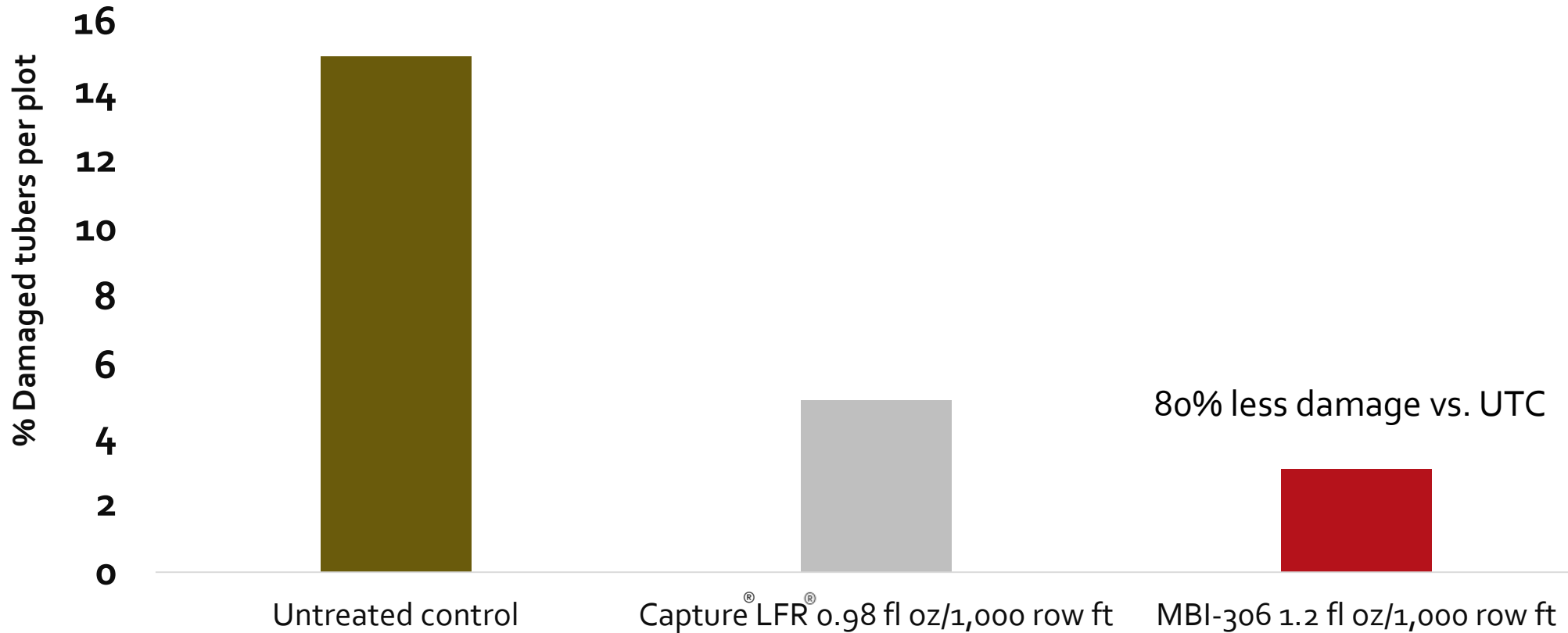
- Currently investigating fungicidal activity against:
Bremia lactucae (lettuce downy mildew)
Botrytis cinerea
- 2022: *Pythium*, *Phytophthora*, downy mildew species on lettuce, spinach and hops; powdery mildew (foliar and drench)



MBI-306 against Wireworms in Potato

Dr. Silvia Rondon – OSU-HAREC, Hermiston OR
Variety: Ranger Russet
2021

0.9 fl oz/1000 row ft = ~13.0 fl oz/acre
1.2 fl oz/1000 row ft = ~17.4 fl oz/acre



21-009MS | Capture[®] LFR[®] is a trademark of FMC Corporation. Single application made in-furrow.

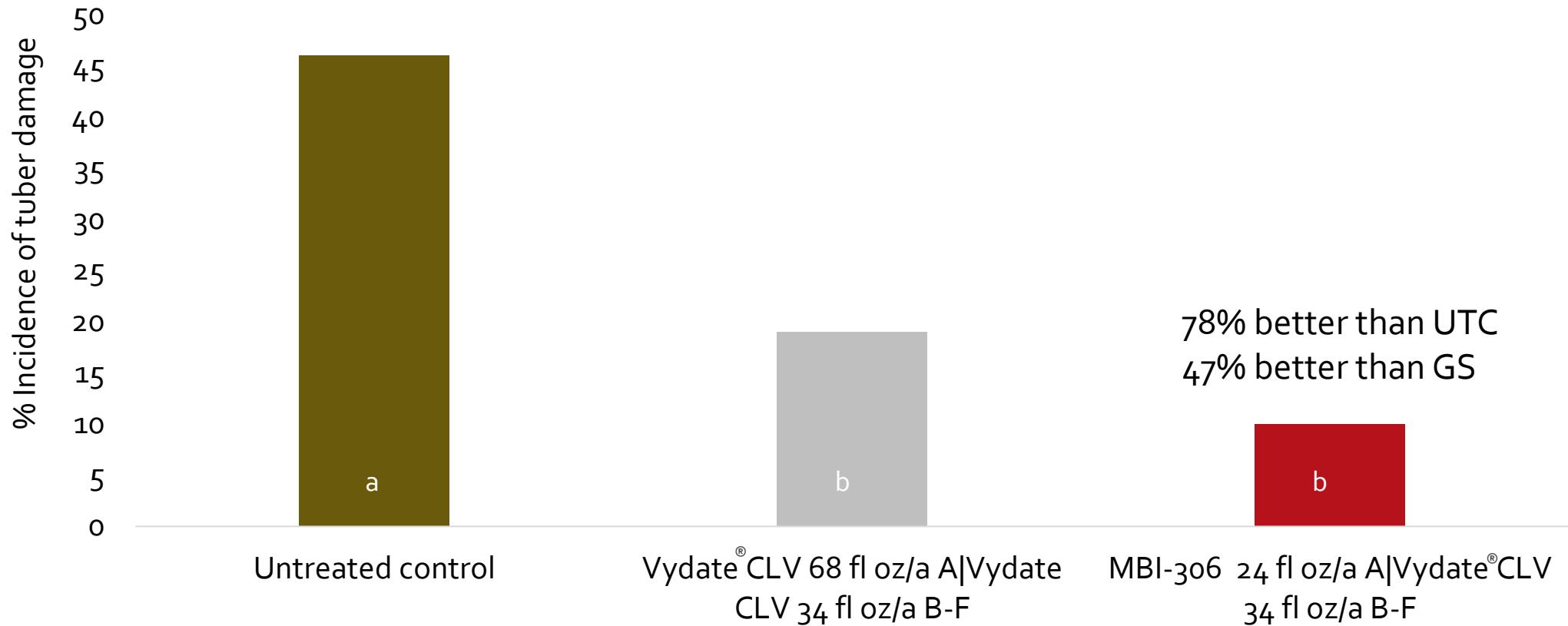




MBI-306 against CRKN in Potato

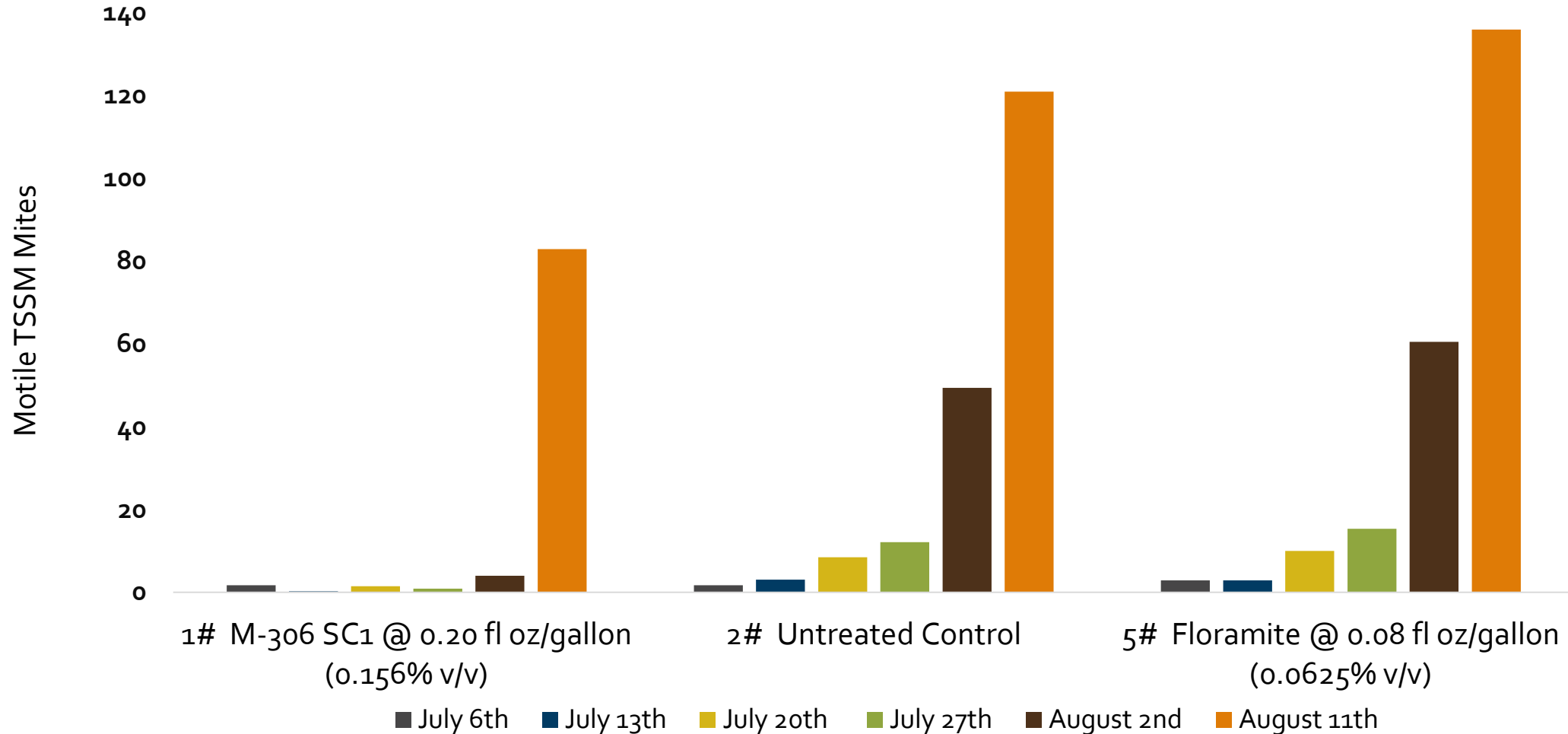
Ag. Development Group – Eltopia WA
Variety: Clearwater
2021

TREATMENTS					
A	B	C	D	E	F
5/3/2021	5/28/2021	7/13/2021	7/27/2021	8/10/2021	8/24/2021



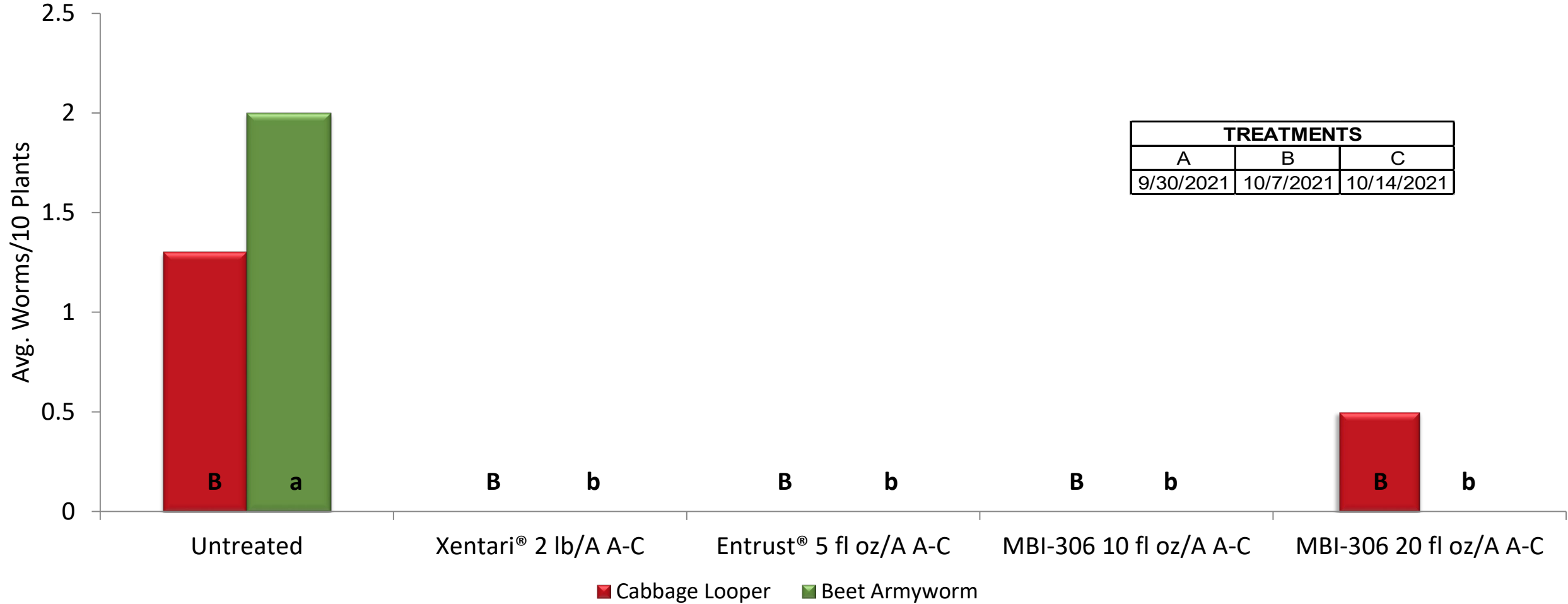


MBI-306 against TSSM on Marigolds in Greenhouse





MBI-306 Against Lepidopteran Pests of Lettuce
U of AZ., Dr. Palumbo
Variety: Head lettuce '1221'



TREATMENTS		
A	B	C
9/30/2021	10/7/2021	10/14/2021





Diamondback moth (*Plutella xylostella*) on Cabbage

		Feeding damage (0-5)		Total larvae + pupae/cabbage leaf	
		April 4	April 26	April 4	April 18
UTC		0.92 a	1.26 a	0.35 a	0.41 a
Avaunt® eVo (Indoxacarb)	3.5 fl. oz. + Induce @ 0.25% v/v	0.63 b	0.30 b	0.09 b	0.04 b
Harvanta® (cyclaniliprole)	16.4 fl. oz. + Induce @ 0.25% v/v	0.54 b	0.26 b	0.04 b	0.00 b
M306 SC1	20 fl. oz. + NuFilm P @ 0.25% v/v	0.53 b	0.19 b	0.03 b	0.02 b

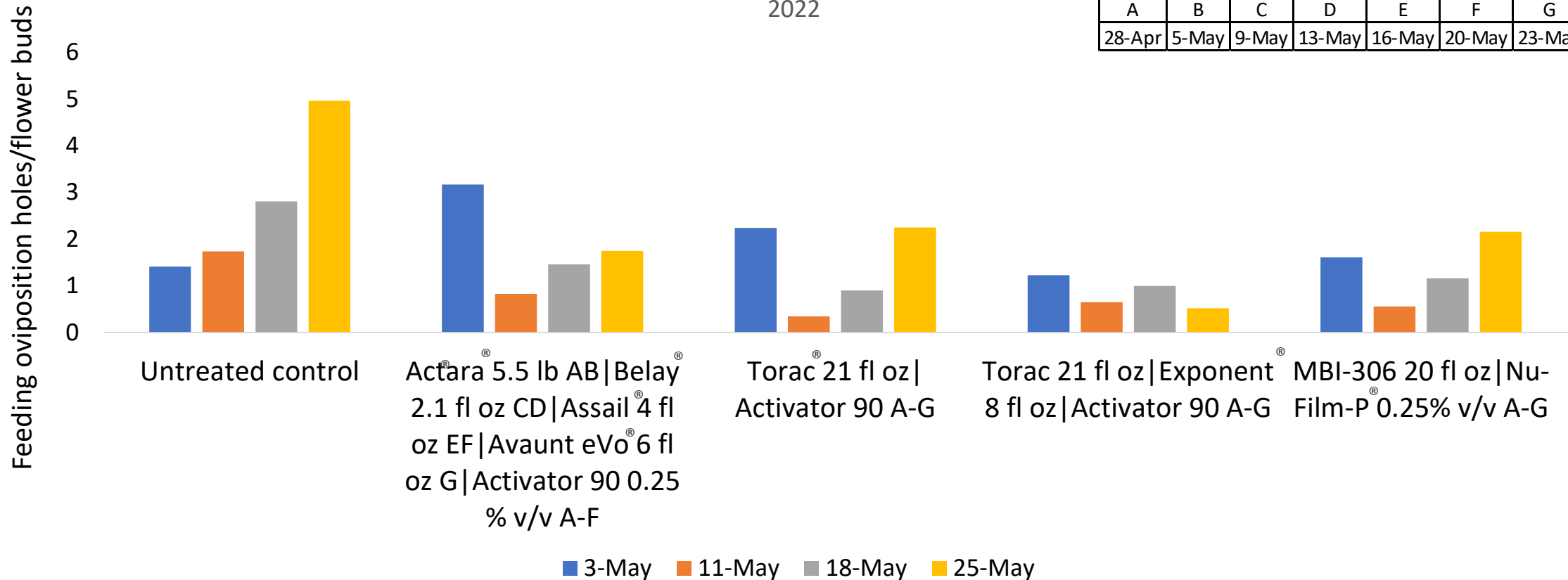
22-001BRM - University of Florida; Treatments applied on March 30th, April 6th, 13th, and 20th at 40 GPA; Avaunt eVo® is a trademark of FMC Corporation and Harvanta of Summit Agro



M-306 for Control of Pepper Weevil in Jalapeno Pepper, FL

Dr. Qureshi – University of Florida
2022

TREATMENTS						
A	B	C	D	E	F	G
28-Apr	5-May	9-May	13-May	16-May	20-May	23-May





MBI-306 Repels BMSB Feeding on Pear

Dr. Chris Adams – OSU Hood River OR
Variety: green d'Anjou
2021

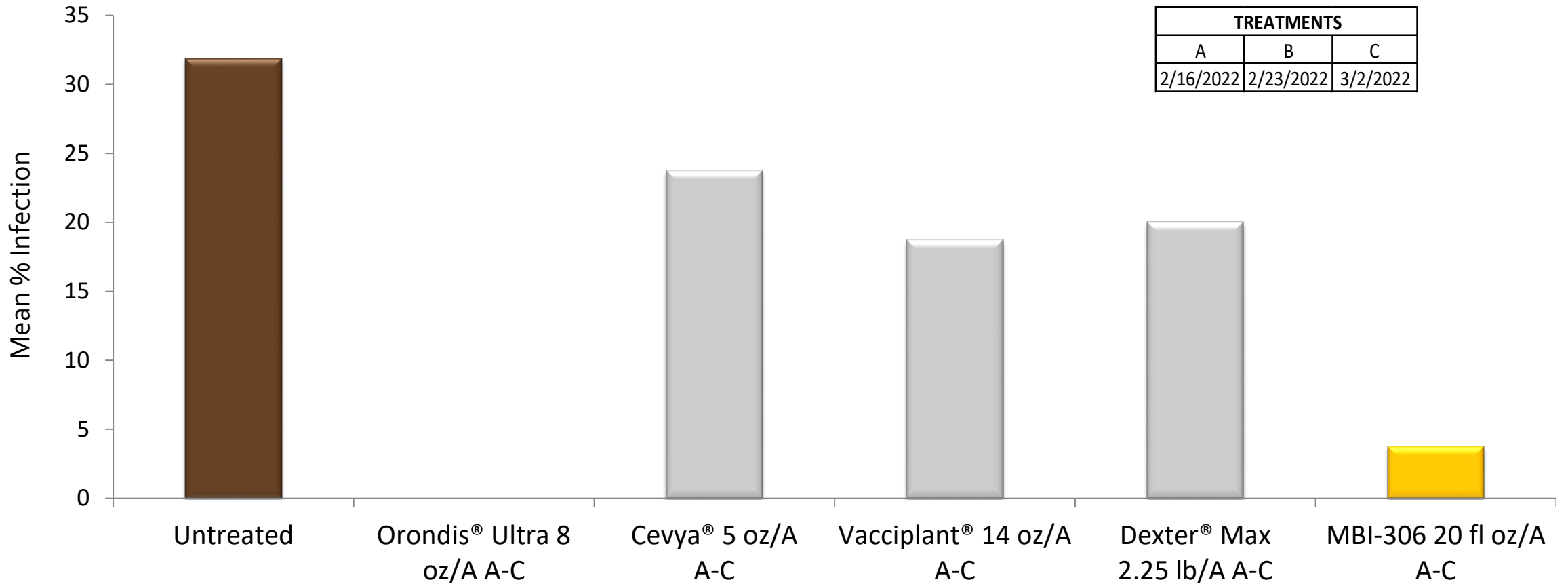
Treatments	# Feeding sites per fruit (n=5) - 9 DAT	% Fruit with no feeding damage (n=5) - 9 DAT
Untreated control	3.8	0
Surround	0	100
MBI-306 20 fl oz/A	0	100





MBI-306 against Spinach Downy Mildew

Dr. Poudel-Ward, U of AZ
2022



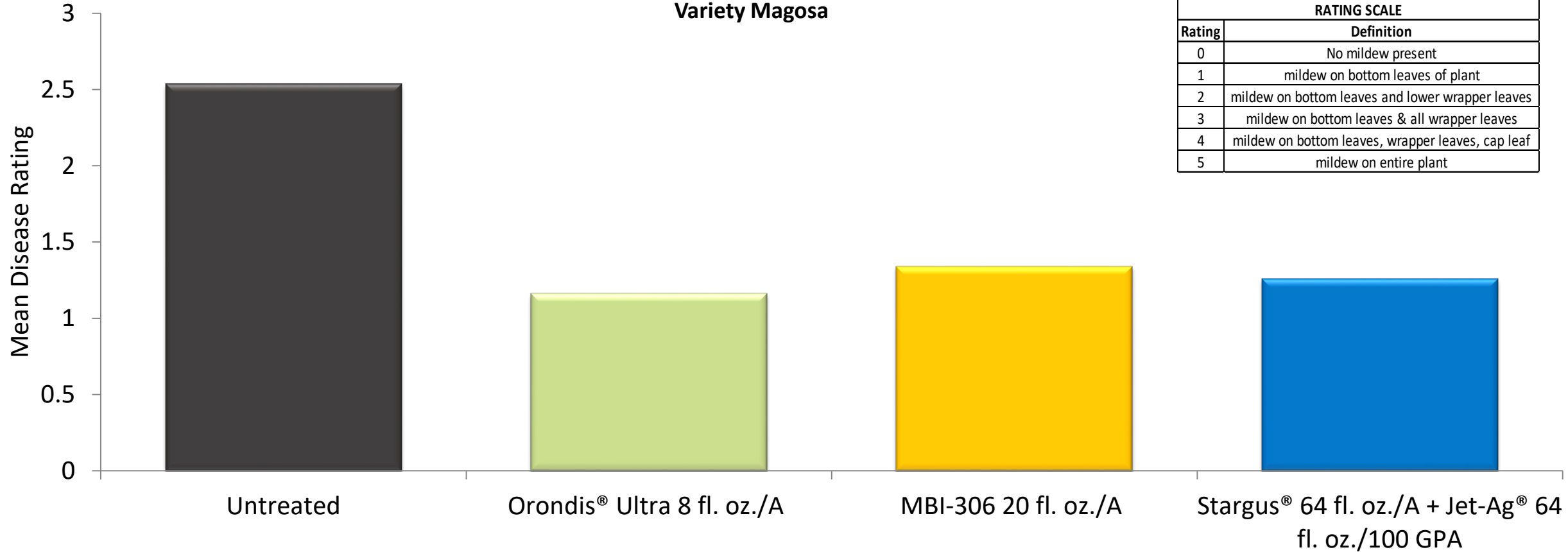
TREATMENTS		
A	B	C
2/16/2022	2/23/2022	3/2/2022





MBI Fungicides Against Lettuce Downy Mildew Dr. Poudel-Ward, U of AZ

Variety Magosa



TREATMENTS		
A	B	C
1/13/2022	1/24/2022	2/1/2022

RATING SCALE	
Rating	Definition
0	No mildew present
1	mildew on bottom leaves of plant
2	mildew on bottom leaves and lower wrapper leaves
3	mildew on bottom leaves & all wrapper leaves
4	mildew on bottom leaves, wrapper leaves, cap leaf
5	mildew on entire plant





New zee's or additions to existing zee's

- Venerate[®] XC: pears added to existing zee label for BMSB repellency on Apples and Stone Fruits; foliar application
- Zelto[®]: *Pythium* on turf (not for Oregon)
- Grandevo[®] CG: mealybugs on tropical and subtropical fruit





THANK YOU



Maryna Serdani

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Technical Service Manager – PNW*

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