

Betzabet Valdez
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Education

MS	2019	Plant, Insect, and Microbial Science University of Missouri, Columbia Advisor: Dr. Reid J. Smeda GPA: 3.78
BS	2017	Agriculture Crops, Horticulture, and Land Management California State University, Chico GPA: 3.2

Employment

2017 to Present	Graduate Research Assistant Division of Plant Sciences, University of Missouri Supervisor: Dr. Reid J. Smeda
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Key responsibilities:

- *Taught Principles of Weed Science*
- *Supervised undergraduates during research trials*
- *Studied weed control in the Midwestern region*
- *Conducted pesticide applications and fertilizer experimental trials*
- *Collected visual and quantitative data*
- *Met organic certified regulations for research trials*
- *Analyzed data collected using SAS 9.4, Excel, and Sigma*
- *Presented research and management practices at field days and conferences*
- *Analyzed soil samples for soil quality using several tests (active carbon, acid phosphatase, etc.) in USDA-ARS lab*
- *Helped lab team with all ongoing experimental trials and projects*
- *Set up electrical fencing and irrigation system for row crops*

2015 to 2017	Variety Trials Manager CSUC Organic Vegetable Project Supervisor: Dr. Lee Altier
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Key responsibilities:

- *Grew various varieties of vegetable crops for research purposes*
- *Developed experimental design and protocols for each trial*
- *Collected data on crop morphology, physiology, yield, and pest resistance*

2016 Summer Intern for Mr. Apple
USAC Study Abroad Program
Summer Internship Hawke's Bay, New Zealand
Supervisor: Peter Tait

Key responsibilities:

- *Participated in a two week expedition in the Southern and Northern Island and interned for an international apple producer*
- *Collected water samples, tested for bacteria, pH, and did inspections for pests and rot*
- *Tested sugar content and firmness of apples*
- *Participated in labor force*

Publications

Valdez, B., Smeda, R.J., and Clark, K. 2018. Organic Herbicides as a Weed Management Tool in Soybeans. North Central Weed Science Annual Meeting. Oral Presentation.

Valdez, B., Smeda, R.J., and Clark, K. 2018. Impact of Organic Herbicides in Corn. North Central Weed Science Annual Meeting. Poster.

Valdez, B., Smeda, R.J., and Clark, K. 2018. Postemergence Herbicides for Weed Control in Organic Corn and Soybeans. 2018 ASA and CSSA Annual Meeting. Oral Presentation.

Valdez, B., Smeda, R.J., and Clark, K. 2017. Postemergence Herbicides for Weed Control in Organic Corn and Soybeans. North Central Weed Science Annual Meeting. Poster.

Teaching

Plant Science 3210. Principles of Weed Science. Teaching Experience. Fall Semester.
Taught: 2018

Include:

- *Lab lectures*
- *Guest lecture*
- *Advising students*

Professional Membership

American Society of Agronomy
2018
Student Member

North Central Weed Science Society
2017 to Present

Student Member

References

Reid J. Smeda

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