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COURSES TAUGHT

Undergraduate

- PLANT 99 Introduction to Biometrics
PLANT 100 Aspects of Crop Productivity
PLTH 102 Pesticides
PLTH 105 Weed Science

Graduate

- AGRI 200 Biometrics in Agriculture
PLANT 261 Advanced Pest Management
PLANT 270 Seminar in Agroecology and Cropping Systems

PUBLICATIONS (LAST FIVE YEARS)

PEER-REVIEWED JOURNAL ARTICLES

- Shrestha, A.**, K. M. Steinhauer, M. L. Moretti, B. D. Hanson, M. Jasieniuk, K. J. Hembree, and S. D. Wright. 2013. Distribution of glyphosate-resistant and glyphosate-susceptible hairy fleabane (*Conyza bonariensis*) in central California and their phenological development. *Journal of Pest Science (in press)*.
- Moretti, M., B. D. Hanson, K. J. Hembree, and **A. Shrestha**. 2013. Glyphosate resistance is more variable than paraquat resistance in a multiple-resistant hairy fleabane (*Conyza bonariensis*) population. *Weed Science* 61:396-402.
- Okada, M., B. D. Hanson, K. J. Hembree, W. T. Lanini, Y. Peng, **A. Shrestha**, C. N. Stewart Jr., S. D. Wright, and M. Jasieniuk. 2013. Origins and spread of herbicide resistance in *Conyza canadensis*, a native weed in California orchards and vineyards. *Evolutionary Applications* 6:761-777.
- Rainbolt, C., J. B. Samtani, S. A. Fennimore, C. Gilbert, K. V. Subbarao, J. S. Gerik, **A. Shrestha**, and B. D. Hanson. 2013. Steam as a pre-plant soil disinfestant tool in California cut flower production. *HortTechnology* 23:207-214.
- Shrestha, A.**, S. Kaan Kurtural, M. W. Fidelibus, G. Dervishian, and S. Konduru. 2013. Efficiency and cost-effectiveness of cultivators, steam, or an organic herbicide in weed control and vine productivity in organic vineyards in the San Joaquin Valley. *HortTechnology* 23:99-108.
- Mitchell, J. P., K. M. Klonsky, E. M. Miyao, B. J. Aegerter, **A. Shrestha**, D. S. Munk, K. J. Hembree, and T. Turini. 2012. Evolution of conservation tillage systems for tomato in California's Central Valley. *HortTechnology* 22:617-626.
- Krugner, R., C. A. Ledbetter, J. Chen, and **A. Shrestha**. 2012. Phenology of *Xylella fastidiosa* and its vector, *Draeculocephala minerva*, near California almond nurseries: An assessment

- of plant vulnerability to almond leaf scorch disease. *Plant Disease* 96:1488-1494.
- Mitchell, J. P., L. Carter, D. S. Munk, K. Klonsky, R. B. Hutmacher, **A. Shrestha**, R. DeMoura, and J. F. Wroble. 2012. Conservation tillage systems for cotton advance in the San Joaquin Valley. *California Agriculture* 66(3):108-115.
- Luna, J. M., J. P. Mitchell, and **A. Shrestha**. 2012. Conservation tillage for organic agriculture: Evolution towards hybrid systems. *Renewable Agriculture and Food Systems* 27:21-30.
- Shrestha, A.**, M. Moretti, and N. Mourad. 2012. Evaluation of thermal implements and organic herbicides for weed control in nonbearing almond (*Prunus dulcis*) orchard. *Weed Technology* 26:110-116.
- Alcorta, M., M. W. Fidelibus, K. Steenwerth, and **A. Shrestha**. 2011. Competitive effects of glyphosate-resistant and glyphosate-susceptible *Conyza canadensis* on young grapevines (*Vitis vinifera* L.). *Weed Science* 59:489-494.
- Hanson, B. D., S. Gao, J.S. Gerik, **A. Shrestha**, R. Qin, and J.A. McDonald. 2011. Effects of mission reduction surface seal treatments on pest control with shank-injected 1,3-dichloropropene and chloropicrin. *Crop Protection* 2:203-207.
- Alcorta, M., M. W. Fidelibus, K. Steenwerth, and **A. Shrestha**. 2010. Effect of vineyard row orientation on growth and phenology of glyphosate-resistant and glyphosate-susceptible horseweed (*Conyza canadensis* L. Cronq.). *Weed Science* 59:55-60.
- Shrestha, A.**, M. W. Fidelibus, M. F. Alcorta, K. Cathline. 2010. Threshold of horseweed (*Conyza canadensis*) in an established Thompson Seedless vineyard in the San Joaquin Valley. *International Journal of Fruit Science* 10:301-308.
- Shrestha, A.**, M. W. Fidelibus, M. Alcorta, and B. D. Hanson. 2010. Growth, phenology, and intra-specific competition between glyphosate-resistant and glyphosate-susceptible horseweed (*Conyza canadensis*) in the San Joaquin Valley of California. *Weed Science* 58:147-153.
- Grantz, D. A., **A. Shrestha**, and H. Vu. 2010. Ozone impacts on assimilation and allocation to reproductive sinks in the vegetatively propagated C4 weed, yellow nutsedge. *Crop Science* 50:246-252.
- Shrestha, A.** 2009. Pre- and post-emergent herbicidal properties of extracts from *Juglans nigra* trees. *Journal of Sustainable Agriculture* 33:810-822.
- Shrestha, A.**, G. T. Browne, B. D. Lampinen, S. Schneider, and T. Trout. 2009. Weed community composition in tree fruit nurseries treated with methyl bromide and alternative fumigants. *International Journal of Fruit Production* 9:78-91.
- Schneider, S.M., B.D. Hanson, J.S. Gerik, T.J. Trout, **A. Shrestha**, and S. Gao. 2009. Comparison of shank- and drip-applied methyl bromide alternatives in perennial crop field nurseries. *HortTechnology* 19:331-339.
- Hanson, B. D., **A. Shrestha**, and D. Shaner. 2009. Distribution of glyphosate-resistant horseweed (*Conyza canadensis*) and relationship to cropping systems in the Central Valley of California. *Weed Science* 57:48-53.

PEER REVIEWED EXTENSION ARTICLES

- Hanson, B., A. Fischer, **A. Shrestha**, M. Jasienuik, E. Peachey, R. Boydston, T. Miller, and K. Al-Khatib. 2011. Selection pressure, shifting populations, and herbicide resistance and herbicide tolerance. *Univ. of California Statewide IPM Program*. Available online at: <http://www.ipm.ucdavis.edu/PDF/PUBS/hanson-herbicideresistance.pdf>
- Mitchell, J., G. S. Pettygrove, S. Upadhyaya, **A. Shrestha**, R. Fry, R. Roy, P. Hogan, R. Vargas,

and K. Hembree. 2009. Classification of conservation tillage practices in California Irrigated Row Crop Systems. DANR Pub. No. 8364. *Univ. of California, Agric. & Nat. Res.*

Mitchell, J., **A. Shrestha**, M. Campbell-Matthews, D. Giacomazzi, S. Goyal, D. Bryant, and I. Herrera. 2009. Strip-tillage in California's Central Valley. DANR Pub. No. 8361. *Univ. of California, Agric. & Nat. Res.*