

Robin Gómez

PhD. Student and Research Assistant
in Sustainable Agriculture
Agronomy Department
2531 Agronomy Hall



E-mail: rgomez@iastate.edu

Phone

Office: (515) 294 9173

Cel.: (515) 203 9646

I am from San Jose, Costa Rica, where I obtained my BS in Agronomy in 2000, and my MSc in Agricultural Sciences and Natural Resources in 2007, both from the University of Costa Rica.

I worked for five years as a instructor at the University of Costa Rica, Fabio Baudrit Experimental Station. My research focused on weed management practices in crops like rice, coffee, banana, beans, melon, watermelon, onion and pastures. Some details of my research are the following:

Research Projects

- Strategies development for weed management in pastures. Associate researcher. University of Costa Rica research project VI 736-A2-500 and FITTACORI (Ministry of Agriculture, CR) research project F14-2002.
- Contributions for technologies development for weed management. Associate researcher. University of Costa Rica research project VI 736-A2-801.
- Alternatives to methyl bromide use for weed control in melon and watermelon. Associate researcher. University of Costa Rica research project VI-736-A5-511, with a grant from the United Nations Development Program and the Ministry of the Environment and Energy, CR.
- Citrus parasitic weeds control. Collaborator. University of Costa Rica research project VI 736-A2-302.

Publications

Gómez, R. 2004. Effectiveness of the herbicide Flex 25 SL for broadleaves weed control in beans. Proceedings of the VIII Annual Costa Rican Bean Producers Meeting. pp. 61-66.

Gómez, R. 2005. Effects of weed control with paraquat and glyphosate on erosion and soil nutrient losses in coffee. *Agronomía Mesoamericana* 16(1): 63-73.

Gómez, R, Herrera, F. and Hernández, M. _____. Strategies for cutting edge (*Scleria melaleuca*) control in two weed development stages. Submitted to *Agronomía Mesoamericana* (June 2006).

Gómez, R, Herrera, F and Hernández, M. _____. Cutting edge (*Scleria melaleuca*) management in two tillage systems for pasture renewal. Submitted to Agronomía Mesoamericana (June 2006).

Gómez, R, Herrera, F and Hernández, M. _____. Cutting edge (*Scleria melaleuca*) control in *Brachiaria* spp. and *Panicum maximum* pastures. Submitted to Agronomía Mesoamericana (June 2006).

Gómez, R and Herrera, F. _____. Pre and Post-emergence halosulfuron selectivity to four melon types. Submitted to Agronomía Mesoamericana (April 2007).

Gómez, R and Herrera, F. _____. Halosulfuron preemergence application method effect on purple nutsedge (*Cyperus rotundus*) control and Galia melon yield. Submitted to Agronomía Mesoamericana (April 2007).

Gómez, R and Herrera, F. _____. Purple nutsedge control with halosulfuron in different growth stages. Submitted to Agricultura Tropical (April 2007)

Teaching experience

I participated as coordinator or co-professor in three undergraduate courses of the University of Costa Rica: Basic Agricultural Practices, Weed Biology, and Integrated Pest Management. I also assisted in the weed identification topics of the graduate course Diagnosis Clinic.

Extension

I have worked in extension on weed management practices for farmers, agronomists, and high school students, developing field days and conferences in various crops.

My academic interests at Iowa State University are related to the development of weed management practices based on the biology and ecology of some of the most important weed species in different cropping systems, in order to create unfavorable environments for the weeds and at the same time improve the crop productivity.