

Resume

Robin Gómez

PhD. Student and Research Assistant
in Sustainable Agriculture

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Area of Specialization:

Weed Science:

- Weed management practices in rice, coffee, banana, beans, melon, watermelon and pastures.
- Efficacy tests of new herbicide molecules.
- Weed management extension.

Education

- B.S. in Agronomy from the University of Costa Rica, 2000
- M.Sc. in Agricultural Sciences and Natural Resources from the University of Costa Rica, 2006

Courses

- AF-126: Basic Agricultural Practices (Coordinator). The course main objective is to introduce the students into the agricultural environment, teaching them basic activities of the productive process of some crops, like sowing, harvest, weed and insect management, pruning, grafting, irrigation, etc.
- AF-0111: Weed Biology (Coordinator): This is the basic weed biology and management course of the Agronomy major.
- AF-0118: Integrated Pest Management (Co-professor): In charge of the Integrated Weed Management chapter.
- SP-2503: Diagnosis Clinic: Collaboration in the weed identification topics of this postgraduate course.

Research Projects

- Strategies development for weed management in pastures. Associate researcher.
- Contributions for technologies development for weed management. Associate researcher.
- Alternatives to methyl bromide use for weed control in melon and watermelon. Associate researcher.
- Citrus parasitic weeds control. Collaborator.

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 Postemergence halosulfuron selectivity to four melon types. In preparation.

Gómez, R and Herrera, F. _____. Halosulfuron preemergence application method effect on purple nutsedge (*Cyperus rotundus*) control and Galia melon yield. In preparation.

Gómez, R and Herrera, F. _____. Effectiveness of the herbicides imazamox and imazapyr for weed control in a Clearfield rice system. In preparation.

Lectures

- Robin Gómez, Franklin Herrera, Katia García, Darío Mendoza. 2005. Halosulfuron and glyphosate use for purple nutsedge control during the fallow period in a melon production farm. Methyl bromide alternatives workshop for melon and watermelon producers. La Pacífica Hotel, Guanacaste, Costa Rica.

- Franklin Herrera, Robin Gómez, Erika Arias. 2005. Application method effect on effectiveness and selectivity of herbicides mixtures for watermelon. Methyl bromide alternatives workshop for melon and watermelon producers. Guanacaste, Costa Rica.
- Franklin Herrera, Robin Gómez, Erika Arias. 2005. Herbicides effectiveness and selectivity for weed control in watermelon. Methyl bromide alternatives workshop for melon and watermelon producers. Guanacaste, Costa Rica.
- Carlos Loría, Franklin Herrera, Robin Gómez. 2005. Herbicides effectiveness and selectivity for weed control in Honey Dew melon. Methyl bromide alternatives workshop for melon and watermelon producers. Guanacaste, Costa Rica.
- Franklin Herrera, Robin Gómez, Robert McLean. 2005. Resistance study of three *Digitaria* ecotypes to a Group A herbicide. BASF Co. Latin America annual meeting, San José, CR.
- Franklin Herrera, Robin Gómez, Robert McLean. 2005. Effectiveness and selectivity of imidazolinone herbicides for weedy rice control. BASF Co. Latin America annual meeting. San José, CR.
- Franklin Herrera, Robin Gómez, Robert McLean. 2005. Coadjuvant effect on imidazolinone herbicides effectiveness for weedy rice control. BASF Co. Latin America annual meeting. San José, CR.
- Franklin Herrera, Robin Gómez, Robert McLean. 2005. Red rice morphotypes response to imidazolinone herbicides. BASF Co. Latin America annual meeting. San José, CR.
- Robin Gómez, Franklin Herrera, Robert McLean. 2005. Pendimethalin formulation effect on grass weed control under two soil moisture conditions. BASF Co. Latin America annual meeting. San José, CR
- Robin Gómez. 2004. “Glufosinate sensibility of 20 red rice morphotypes of Costa Rica”. Seminar for researchers of the Cellular and Molecular Biology Research Center, UCR.
- Robin Gómez, Franklin Herrera. 2004. “Halosulfuron effectiveness for purple nutsedge control in melon. Field day for melon producers, Puntarenas, CR.
- Robin Gómez, Franklin Herrera. 2004. “Effects of weed control with paraquat and glyphosate on soil erosion and nutrient losses in coffee”. Seminar for Agronomists and coffee producers, San Carlos and Sabanilla, Alajuela, CR.
- Robin Gómez. 2004. “Integrated Weed Control in Costa Rica”. Conference for researchers of the National Agricultural Research and Extension Institute of Bolivia. Alajuela, CR.
- Robin Gómez. 2004. “Pesticides safe and efficient use in agriculture”. Lecture for postgraduate students of the M.S. in Agricultural Sciences and Natural Resources, UCR.

- Robin Gómez. 2004. Effectiveness of the herbicide Flex 25 SL for broadleaves weed control in beans. Conference at the VIII Annual Costa Rican Bean Producers Meeting. Alajuela, CR.
- Franklin Herrera, Robin Gómez. 2004. Integrated weed management principles. Lecture for Syngenta technicians. Alajuela, CR.
- Franklin Herrera, Robin Gómez. 2004. Weed management in pastures. Conference for national researchers and producers. San José, CR.
- Franklin Herrera, Robin Gómez. 2003. Low volume spraying equipment calibration. Field day for coffee producers. Costa Rican Coffee Institute (ICAFE). Turrialba, Cartago, CR.
- Franklin Herrera, Robin Gómez. 2003. Spraying equipment calibration. Workshop for mini-vegetables producers. Cartago, CR.
- Franklin Herrera, Robin Gómez. 2003. Integrated weed management in vegetables. Lecture for mini-vegetables producers. Cartago, CR.
- Robin Gómez, Claudio Gamboa. 2002. Herbicides mode of action. Conference for Agronomists of the National Agriculture Ministry at the Brunca Region (south of CR). Perez Zeledón, CR.
- Robin Gómez. 2002. Costa Rican Ethnobotany. Lecture for Latin America and Spain high school students participating at Ruta Quetzal, an international field trip organized by Universidad Complutense de Madrid (Spain) and National Education Ministry (CR).