

Allan J. Hruska

East Lansing, Michigan
Tel. +1 313 296 3289
Allan.hruska@gmail.com

EXPERTISE & INTERESTS

Creative and collaborative international education and development leader with 25+ years of experience in the field. Expertise in institutional partnership development, collaborative international research and development proposals & projects, and holistic institutional strategic global engagement. Experience with international organizations including the United Nations. Proven strategic planning skills and success in managing complex institutional and international environments. Successful team builder and mentor. Excellent communication skills and ability to manage sensitive issues with discretion and diplomacy. Research and teaching experience and interest in crop protection by smallholder farmers and novel approaches that are accessible and lead to improved nutrition, resiliency, and poverty reduction.

Professional Experience

Senior Advisor Independent (USA, 03/2024 – present)

Advise and perform high-level assistance to universities, aid agencies, NGOs, and farmers' organizations. Assignments have been with USAID and two large-scale NGOs working in Africa. Also Co-editing a special journal volume for Frontiers.

Senior Advisor, International Studies and Programs Michigan State University (USA, 01/2024 – 03/2024)

Provide strategic advice to ISP leadership. Work closely with four ISP Centers to develop strategic plans to increase the support to core faculty in accessing funding for international research and development activities.

Director, Global IDEAS, International Studies and Programs Michigan State University (USA, 03/2020 – 12/2023)

Lead the creation of a new interdisciplinary global engagement platform at MSU to broaden and deepen faculty and researchers' contributions and form partnerships to address global challenges.

- Worked closely with College Deans, Department Chairs, and faculty to identify needs and opportunities for faculty engagement in international development activities.
- Collaborated closely with other international units and centers, including Office for International Students and Scholars, Study Abroad, Visiting International Professionals Program, International Advancement, and the Alliance for Africa Partnerships to coordinate and synergize programs.
- Led development of Global IDEAS strategic vision and operating plan.
- Obtained funding and hire needed staff.
- Created Communities of Practice to provide fora for dialogue and action plans among faculty and global partners.
- Engaged with development partners to broaden and deepen connections with MSU faculty and researchers.
- Oversaw MSU's global engagement data portal and drive data for decision-making in global efforts at MSU.
- Identified and aligned incentives of faculty, colleges, and international development funders.
- Oversaw upstream intelligence activities to identify potential opportunities and foster the development of teams around opportunities.
- Developed teams and facilitate concept note and proposal development.
- Successfully led proposal development and facilitated the start-up of projects with colleges and departments.
- Advised and advocated for priority global engagements for MSU.
- Achievements included the development of twelve international proposals and securing over \$45 million in international research and development projects.

Principal Technical Coordinator – Fall Armyworm

United Nations Food and Agriculture Organization (Italy, 05/2017 – 10/2019)

Developed & led the FAO Global Programme for the invasion of Fall Armyworm into Africa, the Near East, and Asia.

- Developed FAO FAW Programme in consultation and collaboration with many internal and external partners.
- Led all aspects of program development, negotiation, and implementation.
- Coordinated implementation of the program across fifteen different units of FAO, both in HQ and decentralized offices.
- Created and coordinated global partnerships with dozens of national, regional, and international partners.
- Created and oversaw 12 International Technical Working Groups of International Experts.
- Was lead Spokesperson for the Programme, presenting the Programme and Partnerships to international media (The Economist, Wall Street Journal, Nature, BBC, Chinese television, Sri Lankan television, FAO media, etc.)
- Mobilized US\$35 million from eight donors in two years.

Senior Agricultural Officer, Investment Division

United Nations Food and Agriculture Organization (Italy, 12/2016 – 05/2017)

Provide technical and policy advice in formulating and reviewing World Bank and IFAD investment projects in rural development in Africa.

- Provided emergency response technical advice to emerging global pest and pathogen problems.
- Critically reviewed projects and programs in conservation agriculture and developed a new strategic approach for the World Bank.
- Created and managed an FAO task force to create organizational-wide coherent and consistent technical and policy advice in crop production, protection, and sustainability.

Plant Production and Protection Officer

United Nations Food and Agriculture Organization (Panama, 10/2008 – 12/2016)

Advise FAO member countries in Mesoamerica on priority technical and policy issues relating to plant production and protection, including the implementation of international instruments (International Code of Conduct on Pesticides, the Rotterdam Convention, and the International Treaty on Plant Genetic Resources for Food and Agriculture, International Plant Protection Convention).

- Developed and led the Seeds for Development Programme, a \$12 million Spanish-funded program in seven countries: oversaw the technical quality, led policy initiatives, and supervised the Chief Technical Advisor and staff in seven countries.
- Designed and trained national authorities on a common pesticide registration system for Central America and post-registration control.
- Created two digital platforms based on mobile applications for monitoring and managing important crop diseases: citrus greening disease and coffee leaf rust.
- Served as a member of the organization-wide Culture Change Team.

Visiting Scholar (part-time, concurrent with FAO employment)

North Carolina State University (Mexico and Raleigh, 07/2014 to 06/2016)

Taught and mentored a cohort of graduate students in NCSU's Genetic Engineering and Society program on the use of biotechnologies in Latin America, Mexico, and Raleigh, North Carolina.

Coordinator (interim), Sub-regional Office for Mesoamerica

United Nations Food and Agriculture Organization (Panama, 01/2013 – 07/2013)

Led and managed the Sub-regional Office for Mesoamerica of the FAO.

- Oversaw nine countries, their programs, and a staff of sixty in Panamá.
- Responsible for all aspects of human resource and fiscal management of the office and its sub-regional operations.

Coordinator, Animal and Plant Health and Food Safety and Quality

United Nations Food and Agriculture Organization (Chile, 05/2007 – 10/2008)

Developed a strategic program for animal and plant health and food safety for the Latin America and Caribbean Regional Office of the FAO. Developed projects and training activities to integrate the three areas and support member governments in their legal, institutional, and technical improvements. Identified member countries' policy and

technical assistance priorities. Thought leader and project manager on the role and impact of private and public standards for animal and plant health and food safety for Latin America.

Plant Protection Officer
United Nations Food and Agriculture Organization (Chile, 05/2004 – 10/2008)

Advised FAO country members in Latin America and the Caribbean in the implementation of international agreements related to the use of pesticides and food safety and their technical guidelines, in particular the International Code of Conduct on Pesticides, the Rotterdam Convention, the International Plant Protection Convention, the Codex Alimentarius, and the Sanitary and Phytosanitary Agreement of the World Trade Organization.

- Provided training and advice to establish, update, and strengthen institutional capacities to enhance country participation in international standard-setting and to implement international phytosanitary measures and international trade.
- Represented the IPPC and the Rotterdam Secretariats at national and regional meetings and provided regional feedback to the Secretariats.
- Managed projects in Honduras, Panamá, and Paraguay on coconut lethal yellowing, institutional modernization, and elimination and prevention of obsolete pesticides.
- Organized and facilitated national and regional workshops on priority areas of plant protection.
- Led development of regional response with member countries to analyze and make policy about private systems of standards and certifications for plant and animal health and food safety.
- Provided technical assistance to national authorities on pesticide registration and post-registration management of pesticides.

Executive Director (Founding)
NicaSalud (Nicaragua, 09/2001 - 05/2004)

NicaSalud is a federation of 30 non-governmental organizations, including international (CARE, SAVE, PLAN, etc.) and Nicaraguan NGOs working in rural Nicaragua's primary health care. I led the organization, from its birth to early maturity, including the legal registration in Nicaragua, the hiring of staff, office set-up, the establishment of administrative and financial policies and procedures, including manual production, the election of the Board of Directors, and the establishment of its roles, responsibilities, and functioning. Provided strategic leadership, working with the Board of Directors to identify priority thematic areas and good governance procedures for the federation. Supervised a team of ten MD/MPH specialists and a total staff of 45. Oversaw a grant program for NGOs of approximately \$1 million per year, including the development of terms of reference, advertisement, management of an external review board, criteria development, the review process, budget analysis, contracts, and awards. Ensured compliance with donor rules and regulations and positive communications. Ensured quality programming in Maternal and Child Health, Sexual and Reproductive Health, AIDS prevention, water and sanitation, and Vector Control. Developed new opportunities, including new proposals, and increased the visibility and recognition of the federation. Coordinated relationships with the Ministry of Health, Ministry of Education, Ministry of Defense, Ministry of Labor, UN agencies (UNICEF, UNFPA &

WHO), bilateral and multilateral donors, non-governmental organizations, and research institutions. NicaSalud was chosen as Principal Beneficiary to manage this program. In three years, I grew the organization from one with seven members, five staff, and an annual budget of \$700,000 to one with 30 members, 24 professional staff, and an annual budget of \$6.5 million.

- Developed and secured a five-year, \$7.5 million program funded by USAID.
- Negotiated and signed a new \$18.8 million program funded by The Global Fund to combat HIV-AIDS, Malaria, and Tuberculosis in Nicaragua. Worked closely with the Global Fund on NGOs as Principal Recipients.
- Developed and secured funding from the Gates Foundation.
- Solidified the governance and administrative structures of the organization, leading to certification from the Global Fund and USAID to manage funds.

Advisor in Pest Management and Pesticides

USAID/USDA/UPANIC (Nicaragua, 04/2001 - 09/2001)

Developed and implemented an action plan based on the Environmental Impact of Pesticides Review: conducted a needs assessment of 25 organizations funded by USAID, designed, negotiated with CATIE and PAHO (WHO), coordinated, and taught part of a Postgraduate Diploma program. Produced educational materials, including field guides, lessons learned documents, and CD of resources and course materials. Conducted reviews and provided technical guidance to NGOs in the design and implementation of projects incorporating pest management and pesticide use.

- Developed a Diploma program for NGO agricultural extensionists with CATIE and PAHO. Produced all course materials, coordinated the first course, and taught sections.

Representative for Nicaragua

Zamorano University (Nicaragua, 10/1999 - 03/2001)

Opened Zamorano's office in Nicaragua, including acquiring legal status, equipment purchase, staff recruitment, and supervision. Coordinated Zamorano's presence in Nicaragua, including the promotion of a positive image, development activities, public relations, and student and staff recruitment. Developed new opportunities for Zamorano, including the initiation, contract negotiation, consultant recruitment and supervision, writing, review, and translation oversight of Environmental Impact Assessment for USDA/USAID Nicaragua (\$250,000 contract).

- Opened a new country office.
- Improved Zamorano's visibility in Nicaragua
- Developed a new project and signed a contract with USDA/USAID Nicaragua.

Regional Coordinator, Central America (Integrated Pest Management Program Swiss Agency for Development/Zamorano (Nicaragua, 10/1999 - 03/2001)

Provided overall leadership, quality control, team building, proposal negotiation, and report preparation for the Central American program with teams in Nicaragua, El Salvador, and Honduras. Created linkages and developed joint work plans with educational, research, and extension institutions. Negotiated agreements with three national governments and their ministries and 35 partner organizations. Oversaw a grants program for 35 NGOs, including terms, criteria, proposal guidelines, the review process, negotiation, approval, and oversight. Managed an annual budget of \$800,000, three country offices, and 20 staff. Successfully developed a new three-year phase of the program.

- Developed grants program with 35 NGOs in three countries.
- Managed a staff of 20 in three countries.
- Led team to successfully develop a new phase of the program with the Swiss government.

Professor and Head of Department (Crop Protection) Zamorano University (Honduras, 08/1995 - 10/1999)

Provided strategic leadership and program supervision to Central America's largest academic Crop Protection Department, including education, research, production, extension, and evaluation activities.

- Supervised 15 professors and researchers, including twelve Ph.D.s and M.Sc. s, stationed throughout Central America, with a total staff of 50.
- Recruited and hired new faculty members.
- Taught parts of three advanced pest management courses.
- Member of the Honduran Phytosanitary and Biosafety Committee.
- Coordinated the Swiss government-funded Central American IPM project supporting institutions in Honduras, Nicaragua, and El Salvador.
- Re-organized Department. Developed an incentive structure for professors to attract external funding to the Department.
- Grew the department from 2 to 25 advanced students and the annual budget of externally funded projects from \$50,000 to \$950,000 in three years.
- Developed, negotiated, and supervised 15 research and development projects funded by the World Bank, the Rockefeller Foundation, USAID, the European Union, the Swiss Development Corporation, the British Embassy, and the Honduran Ministry of Agriculture.
- Coordinated Zamorano's joint Master's degree program with Cornell University and the program summer course "Tropical Agriculture and Sustainable Development".

Assistant Country Director CARE International (Nicaragua, 07/1994 - 07/1995)

Provided strategic leadership to programming in Nicaragua and supervised the implementation of three projects in northern and Pacific Nicaragua. Developed five new project proposals. Supervised monitoring and internal evaluation and provided technical backstopping to existing projects. Prepared project reports and negotiated with donors in Norway, Denmark, Canada, and the USA. Directed CARE Nicaragua's

MIS and Training sections. Provided leadership to CARE International's global activities in integrated pest management.

- Wrote and successfully lobbied for approval of CARE International's Pest Management and Pesticide Policy.
- Re-organized CARE Nicaragua's information and training departments.
- Developed and successfully negotiated four new projects.

Sector Coordinator

CARE International (Nicaragua, 05/1993 - 07/1994)

Directed the Agriculture and Natural Resources Sector, comprising three projects with an annual budget of US\$ 1.7 million, 65 staff, and three sub-national offices. Provide technical oversight and quality control.

- Created ANR team from the three projects for coordination and development of best practices and efficiencies.

Project Coordinator

CARE International (Nicaragua, 06/1989 - 04/1993)

Directed an integrated pest management and occupational health project with an annual budget of \$500,000 and a staff of 40, including medical personnel, trainers, and agricultural extensionists. Advised the National Pesticide Board on pesticide policy and contributed to drafting national pesticide regulations. Developed CARE's Pesticide and Pest Management Policy and provided training, project development, and technical backstopping for its implementation. Training resulted in successful pesticide-IPM projects in Sri Lanka, Bangladesh, Peru, and Bolivia. The project was used by PAHO as a model for its regional program (PLAGSALUD).

- Created and managed a pilot project that was the basis for CARE USA's pesticide policy, new projects in four countries, and a regional PAHO/WHO project.

Economic Entomologist

Norwegian Foreign Ministry - Instituto Superior de Ciencias Agropecuarias (Nicaragua, 03/1986 - 05/1989)

Conducted, coordinated, and supervised research and development of pest management recommendations for maize pests. Advised 17 students on their theses for the Ingeniero Agrónomo degree. Results changed maize pest management recommendations in Nicaragua. Taught courses in research methods, statistical analysis, and pest management. Analyzed the effects of government policy on pest management decisions. Co-wrote the original grant proposal and extension. Wrote the financial and technical reports for the donor.

Teaching Experience

Undergraduate university courses:

- Economic Entomology (UNA, Nicaragua)
- Integrated Pest Management (UNA, Nicaragua)
- Integrated Pest Management (Zamorano, Honduras)

Graduate university courses:

- Research Methodology (UNA, Nicaragua)
- Genetic engineering and society (Field colloquium in Oaxaca, Mexico) (NCSU)
- Sustainable Development (guest lecturer, MSU)

Training Courses:

- Sustainable Development Goals (FAO)
- International Pesticide Policies and Agreements (FAO)
- Policies and Politics of Pesticide Regulations (FAO)

Student Mentoring and Graduate Committees

- Coordinator of joint Zamorano-Cornell MSc program in Sustainable Development – Mentored three students in the program
- Mentored seven NCSU graduate students during the Oaxaca field experience and in Raleigh during their seminar on Genetic Engineering and Society.
- Graduate thesis examination member for students at North-West University (South Africa) (MSc) and Michigan State University (PhD).

Education

North Carolina State University

Doctor of Philosophy, Entomology (minor in economics)

Duke University

Master of Science, Genetics

University of Michigan

Master of Science, Biology

University of Michigan

Bachelor of Science, Biology (Honors)

Languages

English: Native

Spanish: Fluent

Italian: Functional

French: Basic

Portuguese: Basic

International Professional Experience

Central America (based in Nicaragua, Honduras, Panamá & and Costa Rica): 25 years

South America (Based in Chile): Four and one-half years

Africa (Ten countries): One year.

Asia (China, Sri Lanka & Thailand): Two months

Global: (based in Italy): Three years

Publications

- 2021 Hruska, A.J. What the Global Battle Against the Fall Armyworm Reveals About How the US and China See the Future of Global Food Production. *Issues in Science and Technology* [2021\(May 6\)](#).
- 2019 Hruska, A.J. Fall armyworm (*Spodoptera frugiperda*) management by smallholders. [CAB Reviews Perspectives in Agriculture Veterinary Science Nutrition and Natural Resources 14\(043\):1-11](#)
- 2018 Jeger, M., C. Bragard, D. Caffier, T. Candresse, E. Chatzivassiliou, K. Dehnen-Schmutz, G. Gilioli, J.C. Gregoire, J. Anton, J. Miret, M. Navajas Navarro, B. Niere, S. Parnell, R. Potting, T. Rafoss, V. Rossi, G. Urek, A. Van Bruggen, W. Van der Werf, J. West, S. Winter, R. Day, R. Early, A. Hruska, R. Nagoshi, C. Gardi, O. Mosbach-Schultz, and Alan MacLeod. Pest risk assessment of *Spodoptera frugiperda* for the European Union. *EFSA Journal* 16(8):5351.
- 2015 Avelino, J., M. Cristancho, S. Georgiou, P. Imbach, L. Aguilar, G. Bornemann, P. Läderach, F. Anzueto, A. Hruska and C. Morales. The coffee rust crises in Colombia and Central America (2008–2013): impacts, plausible causes, and proposed solutions. *Food Security* 7(2):303-321.
- 2014 Hruska, A. Sistemas sostenibles de semillas para la agricultura familiar: Promoviendo instituciones públicas más inclusivas – Lecciones aprendidas de Mesoamérica. pp. 135-147 en *Agricultura Familiar en América Latina y el Caribe: Recomendaciones de Política*. Salomón Salcedo y Lya Guzmán, eds. FAO, Chile. 497 pp. (<http://www.fao.org/docrep/019/i3788s/i3788s.pdf>).
- 2012 FAO. Manual de Registro de Plaguicidas en Centroamérica. 55 pp.
- 2011 FAO. Manual de Inspección Fitosanitaria. 134 pp.
2008. Hruska, A.J. and I. Allende. Normas privadas de sanidad vegetal, animal e inocuidad alimentaria: la disyuntiva entre las metas privadas y la creación de bienes públicos. *Revista de la Escuela de Medicina Veterinaria de la Universidad Mayor* 01/2008: 6-7.
- 2006 FAO. Food safety and animal and plant health: trends and challenges for Latin America. Publication LARC/06/3. (<ftp://ftp.fao.org/unfao/bodies/Larc/29larc/37447e.pdf>)
- 2004 Hruska, A.J. The Global Fund principal recipients... or neglected partners? *The Lancet*. 364(9438):918 – 920.
- 2003 Hruska, A.J. and C. Osborne. NicaSalud & the Umoyo Network: Lessons learned from establishing and managing health networks in Nicaragua and Malawi. *NGO Networks for Health*. 36 pp.
- 2003 Gladstone, S.M. and A.J. Hruska. Guidelines for Promoting Safer and More Effective Pest Management with Small Holder Farmers: CARE USA, Atlanta. 93 pp. (English & Spanish)

- 2002 Hruska, A.J. & M. Corriols. The impact of training in integrated pest management among Nicaraguan farmers: Increased net returns and reduced health risk. *Int. J. Occup. Environ. Health* 8:191-200.
- 2000 Pérez, C, P. Alvarado, C. Narváez, F. Miranda, L. Hernández, H. Vanegas, A. Hruska, & A.M. Shelton. Assessment of insecticide resistance in five insect pests attacking field and vegetable crops in Nicaragua. *Journal of Economic Entomology*. 93 (6):1779-1787.
- 1997 Hruska, A.J. and M. Lara Pavón, editors. Transgenic Bacillus thuringiensis Plants in Mesoamerican Agriculture. Zamorano Academic Press. 127 pp. (English and Spanish versions).
- 1997 Hruska, A.J. Transgenic crops in Mesoamerican agriculture. pp. 1-5 IN Transgenic Bacillus thuringiensis Plants in Mesoamerican Agriculture. A.J. Hruska and M. Lara Pavón, eds. Zamorano Academic Press. 127 pp.
- 1997 Hruska, A.J. and F. Gould. Fall armyworm (Lepidoptera: Noctuidae) and Diatraea lineolata (Lepidoptera: Pyralidae): Impact of larval population level and temporal occurrence on maize yield in Nicaragua. *J. Econ. Entomol.* 90:611-622.
- 1997 Hruska, A.J. and M. Gómez Peralta. Maize response to Dalbulus maidis (Homoptera: Cicadellidae) infestation and achaparramiento disease. *J. Econ. Entomol.* 90:604-610.
- 1997 Hruska, A.J., H.N. Vanegas and C.J. Pérez. La Resistencia de Plagas Agrícolas en Nicaragua: Causas, Situación Actual y Manejo. Zamorano. 21 pp.
- 1997 Hruska, A.J. Medidas preventivas en el MIP. pp. 10-14 en Manejo Integrado de Plagas en Hortalizas. S. Scholaen, ed. GTZ. 156 pp.
- 1996 Hruska, A.J. Transgenic crops in Central American agriculture. *Biotechnology and Development Monitor* 29:7-9.
- 1996 Hruska, A.J., S.M. Gladstone, and R. Obando. Epidemic roller coaster: Maize stunt disease in Nicaragua. *Amer. Entomologist* 42:248-251.
- 1995 Hruska, A.J. Emerging issues in IPM technology transfer in Central America and the Caribbean. pp. 19-28 IN: IPM Implementation Workshop for Central America and the Caribbean. Workshop Proceedings. Natural Resources Institute, Chatham, UK.
- 1995 Hruska, A.J. El marco de las políticas económicas y legales: incentivos y desincentivos al MIP. pp. 97-102 IN: Taller sobre la Implementación del MIP en América del Sur. Memorias del Taller. Natural Resources Institute, Chatham, UK.
- 1994 Hruska, A.J. IPM programme in Nicaragua. pp. 13-18 IN: IPM Implementation Workshop for East/Central/Southern Africa. NRI, Chatham, UK.
- 1994 Hruska, A.J. Nuevos temas en la transferencia de tecnologías de manejo integrado de plagas para productores de bajos recursos. *Manejo Integrado de Plagas (Costa Rica)*. 32:36-43.
- 1993 McConnell, R. and A.J. Hruska. An epidemic of pesticide poisonings in Nicaragua:

- Implications for prevention in developing countries. *American Journal of Public Health* 83:1559-1562.
- 1993 Hruska, A.J. CARE reduces pesticide use around the world. *Global Pesticide Campaigner* 3(2):1, 7-10.
- 1990 Hruska, A.J. Government pesticide policy in Nicaragua 1985-89. *Global Pesticide Monitor* 1(2):3-5.
- 1989 Hruska, A.J. Hacia la agricultura moderna: la racionalización de los plaguicidas. *Revista de la Escuela de Sanidad Vegetal (Nicaragua)* 1(2):1-9.
- 1989 Hruska, A.J. Períodos críticos de protección y el efecto de infestación del gusano cogollero, *Spodoptera frugiperda* (Lepidoptera: Noctuidae), en maíz bajo riego en Nicaragua. *Manejo Integrado de Plagas (Costa Rica)* 12:37-47.
- 1989 Carballo, M. and A.J. Hruska. Períodos críticos de protección y efecto de la infestación de *Plutella xylostella* L. (Lepidoptera: Plutellidae) sobre el rendimiento del repollo. *Manejo Integrado de Plagas (Costa Rica)* 12:37-47.
- 1988 Hruska, A.J. and S.M. Gladstone. Effect of period and level of infestation of the fall armyworm, *Spodoptera frugiperda*, on irrigated maize yield. *Florida Entomol.* 71:249-254.
- 1988 Hruska, A.J. Cyanogenic glucosides as defense compounds: a review of the evidence. *J. Chemical Ecology* 14:2211-2215.
- 1987 Hruska, A.J. and P.M. Rosset. Estimación de los niveles de daño económico para plagas insectiles. *Manejo Integrado de Plagas* 5:30-44.
- 1987 Hruska, A.J. Weedy groundcover increases damage to cassava by white grubs in Costa Rica. *Tropical Agriculture* 64:212-217.
- 1983 G.B. Williamson, A. Romero, J.K. Armstrong, T.J. Gush, A.J. Hruska, P.E. Klass, and J.T. Thompson. Driptips, Drop Size, and Leaf Drying. *Biotropica*, Vol. 15:232-234.
- 1981 C.E. Bach and A.J. Hruska. Effects of Plant Density on the Growth, Reproduction, and Survivorship of Cucumbers in Monocultures and Polycultures. *J. Applied Ecology* 18:929-943.

For more details, see:

[Google Scholar](#)
[ResearchGate](#)

Presentations

Over 150 international presentations. Selection (many originally in Spanish):

"Management of invasive species: the case of the fall armyworm" North Carolina State University, October 2023.

"The role of U.S. universities in addressing global challenges" Michigan State University, December 2019.

"FAO's global fall armyworm programme" Chinese Academy of Agricultural Sciences, September 2019.

Fall Armyworm management by smallholders in Africa" North Carolina State University, October 2018.

"Fall Armyworm management by smallholders in Africa" Department of Entomology, Michigan State University, October 2018.

"Fall Armyworm management by smallholders in Africa" University of Michigan, October 2018.

"Fall Armyworm: The Global FAO Programme" University of Hohenheim, Stuttgart, Germany, October 2018.

"Fall Armyworm in Africa: Strategies for management" Entomological Society of America Symposium, Colorado, November 2017.

"Sustainable seed systems for family agriculture in Mesoamerica" PCCMCA Plenary Presentation, Guatemala, April 2015.

"Development of inclusive national seed systems for food security: Lessons learned from Central America" Expert Consultation Workshop on Community Seed Production, Addis Ababa, Ethiopia, December 2013.

"Plant genetic resources in Latin America: Role and support of the FAO" Regional consultation for the development of national plans of action, Panama, December 2013.

"Early-warning systems for Coffee Leaf Rust" International Coffee Leaf Rust Symposium, El Salvador, November 2013.

"The role of FAO in promoting pesticide risk-reduction in Latin America and the world" Regional SAICM Consultation, México, August 2013.

"Pest management for sustainable coffee production in Nicaragua" International Symposium on Sustainable Coffee Production, Managua, Nicaragua, June 2013.

"Adoption of Conservation Agriculture by Small-scale Farmers in Southern Honduras" 3rd International Conference on Conservation Agriculture and Sustainable Upland Livelihoods in Hanoi, Vietnam, December 2012.

"Sustainable Seed Systems for Food Security" PCCMCA meeting, Panamá, April 2012

"Promoting integrated control of Diaphorina in Central America" Workshop on biological control of Diaphorina, Costa Rica, September 2011.

"Promoting sustainable seed systems for family agriculture in Central America" FAO Expert Consultation, Italy, May 2010.

"Promoting sustainable crop production" Integrated Pest Management Conference, Nicaragua, August 2008.

"Public and Private Sanitary, Phytosanitary and Food Standards in Latin America: Trends and Challenges" Latin America Regional Meeting of the World Trade Organization, Bogotá, Columbia, November 2006.

"Food safety and animal and plant health: trends and challenges for Latin America" Twenty-ninth FAO Regional Conference for Latin America and the Caribbean, Venezuela, April 2006.

"International Plant Protection and the Role of the USA" North Carolina State University, February 2006.

"Pesticide Standards and Equivalency in Latin America" Regional Workshop on Pesticide Registration and Equivalencies, Bogotá, Columbia, December 2005.

"Could using NGO networks as direct grant recipients increase efficiency in HIV/AIDS projects? Lessons from NicaSalud. The World Bank, November 2003.

"Monitoring and Evaluation Lessons Learned from NicaSalud" NGO Networks End of Project Presentation, Washington, DC January 2003.

"Creating health networks of NGOs: lessons learned from NicaSalud" Umoyo Network, Blantyre, Malawi, October 2002.

"Impact of Training in Integrated Pest Management among Nicaraguan Maize Farmers: Increased Net Returns and Reduced Health Risk." International Conference on Pesticide Exposure and Health. National Institutes of Health, Bethesda, July 2002.

"NicaSalud: Networking to Enhance Health Care Service Delivery in Nicaragua." USAID Washington, February 2002.

"Pesticides in Central America" Regional UNEP Persistent Organic Pollutants Meeting. Panama, February 2001.

"Donors and IPM in Central America: Promoting Sustainability?" Regional IPM Congress. Nicaragua, October 1998.

"The use of transgenic crops in Mesoamerica." Cornell University. March 1998.

"Toxaphene in Nicaragua." International experts meeting on persistent organic pollutants. Vancouver, Canada. June 1995.

"Resource-poor farmers and Integrated Pest Management: The role of NGOs." IFPRI conference "Pest management, food security, and the environment: The future to 2020." Washington, DC, May 1995.

"CARE's current role in IPM implementation and potential for expanded collaboration with the IARCs." CGIAR Centers Initiative on IPM Meeting, Aas, Norway, May 1994.

Journal Reviewer (last three years)

PNAS

Journal of Environmental Management

Journal of Plant Diseases and Protection

International Journal of Tropical Insect Science