

Publications

IPM CRSP publications, Presentations, Posters and Abstracts (Summary)

	Books/Book Chapters	Publications	Presentations	Bulletins/ Posters	Theses	Others	Total
Regional Programs							
Latin America and the Caribbean	4	2	28	12	11	0	57
East Africa	0	5	33	5	0	6	49
West Africa	0	0	0	0	0	0	0
South Asia	1	4	2	69	0	39	115
Southeast Asia	3	13	9	5	3	24	57
Central Asia	0	2	0	8	0	0	10
Global Programs							
Parthenium project	0	4	2	0	0	2	8
IPDN	0	3	9	0	0	2	14
IPVDN	0	4	5	0	0	5	14
Impact Assessment	1	1	0	0	0	0	2
Gender	0	0	1	0	0	7	8
ME	1	3	1	2	0	0	7
TOTAL	10	41	90	101	14	85	341

Books and Book chapters:

Hidayat SH, Sulandari S, Aidawati N. 2010. *The Emergence of Yellow Leaf Curl Disease in Chilli Pepper in Indonesia. in Emerging Geminivirus Diseases and Their Management* (eds P. Sharma, RK Gaur, M. Ikegami). Nova Science Publishers. New York (*in press*).

Norton, G.W., and S.M. Swinton. 2009. Protocol for economic impact evaluation of IPM programs. In, R. Peshin, and A.K. Dhawan (eds.). *Integrated Pest Mangement: Dissemination and Impact*. Springer, pp. 79-101.

Ramakrishnan, S, E. Cannaiyan, E. I. Jonathan, M. Sivakumar. 2010. *Nematodes in crops and their management. [Payir noorpuzhukalum avtrrin kattuppadum]* TNAU, Coimbatore. 86 p.

Shepard, B.M., M.D. Hammig, G.R. Carner, P.A.C. Ooi, J.P. Smith, R. Dilts, and A. Rauf. 2009. Implementing integrated Pest Management in developing and developed countries. In, R. Peshin, and A.K. Dhawan (eds.). *Integrated Pest Mangement: Dissemination and Impact*. Springer, pp. 275-305.

Shepard, B.M. and R. Muniappan. 2010. Practical experience in advancing IPM in non-rice food crops in Southeast Asia. In, *IPM in Vegetables: Enhancing its Implementation in Rice-Based Cropping*

Systems, M.C. Casimero and P.A.C. Ooi (eds.), Bureau of Agricultural Research, Department of Agriculture, Philippines, pp 59-76.

Booklets:

Ochoa. J. B., Ellis M.A. and Alwang. J. 2010. La "Fusariosis" de la naranjilla y su control. Booklet No 323, INIAP, Quito-Ecuador.

Ochoa. J. B., Ellis M.A. and Alwang. J. 2010. Ojo de pollo de la naranjilla y su control. Booklet No 324, INIAP, Quito-Ecuador.

Ochoa. J. B., Ellis M.A. and Alwang. J. 2010. El tizon y lancha blanca de la naranjilla y su control. Booklet No 325, INIAP, Quito-Ecuador.

Rivera, M. 2009. Manejo seguro de Pesticidas Agrcolas" (Safe Use of Agricultural Pesticides) FHIA, Honduras.

Refereed journal articles:

Arida, G. S., B. S. Punzal and E. G. Rajotte. Effect of Chlorpyrifos+BPMC Insecticide Spray on the Population Density, Damage and Natural Enemies of Leafminer (*Liriomyza trifolii* (Burgess) on Onion (*Allium cepa* Linn) Grown After Rice (*Oryza sativa* Linn). The Philippine Entomologist. 23 (1):56-66.

Bamba, J., R. Miller, G.V.P. Reddy and R. Muniappan. 2009. Studies on the biology, host specificity, and feeding behavior of *Acythopeus cocciniae* O'Brien and Pakaluk (Coleoptera: Curculionidae) on *Coccinia grandis* (L.) Voigt (Cucurbitaceae) and *Zehneria guamensis* (Merrill) Fosberg (Cucurbitaceae). Micronesica 41: 71-82.

Batuman, O., Kuo, Y.-W., Palmieri, M., Rojas, M. R., and Gilbertson, R. L. 2010. Tomato chocolate spot virus, a member of a new torradovirus species that causes a necrosis-associated disease of tomato in Guatemala. Arch. Virol. 155: 857-869.

Carter, B. A., Reeder, R., Mgenzi, S.R., Kinyua, Z. M., Mbaka, J. N., Doyle, K., Maina, M., Valentine, G., Aritua, V., Lewis Ivey, M. L., Miller, S. A. and Smith, J. J. 2009. Identification of *Xanthomonas vasicola* (formerly *X. campestris* pv. *musacearum*), causative organism of banana xanthomonas wilt, in Tanzania, Kenya and Burundi. New Disease Reports <http://www.bspp.org.uk/publications/new-disease-reports/ndr.php?id=019025>

Crosslin, J.M., Munyaneza, J.E., Brown, J.K., and Liefting, L.W. 2010. A history in the making: potato zebra chip disease associated with a new psyllid-borne bacterium – a tale of striped potatoes. APSNet January Feature: (<http://www.apsnet.org/online/feature/zebra/>).

Damayanti TA, OJ Alabi, Naidu RA2, Rauf A. 2009. Severe Outbreak of a Yellow Mosaic Disease on the Yard Long Bean in Bogor, West Java. *Hayati* 16(2): 78 – 82.

Damayanti TA, OJ Alabi, Rauf A, Naidu RA. 2010. The occurrence of *Bean common mosaic virus* and *Cucumber mosaic virus* in yard long beans in Indonesia. *Plant Disease* 94. 478.

Erbaugh, J.M., J. Donnermeyer, M. Amujal, and M. Kidoido (2010). Assessing the Impact of Farmer Field School Participation on IPM Adoption in Uganda. *Journal of International Agricultural and Extension Education*. 17: 5 – 17.

Erbaugh, J.M., E. Wairimu, M. Waiganjo, and K. Sibuga (2010). Implications of Gender and Context on the Design of IPM Programs for Tomato Growers in East Africa. Abstract, *Journal of International Agricultural and Extension Education*, 17: 55.

Hidayat SH, D Haryadi, E Nurhayati. 2009. Use of serological-based assay for the detection of pepper yellow leaf curl Indonesia virus. *Plant Pathology Journal* 25: 382 – 332.

Karungi, J, Agamire, P. Kovach, J. and Kyamanywa, S. 2010. Cover Cropping and Novel Pesticide Usage in the Management of Pests of Hot Pepper (*Capsicum chinense*). *International Journal of Tropical Insect Science*, 30: 84–92

Kunkaliker, S.R., Sudarsana, P., Bhanupriya M., Rajagopalan, P.A., Chen, T-C., Yeh, S-D., Naidu, R.A., Zehr, U.B. and Ravi, K.S. 2010. Importance and genetic diversity of vegetable-infecting tospoviruses in India. *Phytopathology* (in press).

Lewis Ivey, M. L., Tusiime, G. and Miller, S. A. 2010. A PCR assay for the detection of *Xanthomonas campestris* pv. *musacearum* in bananas. *Plant Dis.* 94: 109-114.

Maerere, A.P., K.P. Sibuga, J.E.M. Bulali, M.W. Mwatawala, J. Kovach, S. Kyamanywa, H.D. Mtui and J.M. Erbaugh (2010). Deriving Appropriate Pest Management Technologies for Smallholder Tomato (*Solanum lycopersicum* Mill.) Growers: A Case Study of Morogoro, Tanzania. *Journal of Animal and Plant Sciences*, 6: 663-676.

McConnachie, A.J., L W Strathie, W. Mersie, L. Gebrehiwot, K. Zewdie, A. Abdurehim, B. Abrha, T. Araya, F. Asaregew, S. Assefa, R. Gebre-Tsadik, L. Nigatu, B. Tadesse, T. Tana. 2010. Current and potential geographical distribution of the invasive plant *Parthenium hysterophorus* (Asteraceae) in eastern and southern Africa. *Weed Res.*10: 1-14.

Miller, S. A., Beed, F. and Harmon, C. L. 2009. Plant disease diagnostic capabilities and networks. *Annu Rev. Phytopathology* 47: 15-38.

Mtui, H.D., Bennett, M.A., Maerere, A.P., Miller, S.A., Kleinhenz, M.D. and Sibuga, K.P. (2010). Effect of seed treatments and mulch on seedborne bacterial pathogens and yield of tomato (*Solanum lycopersicum* Mill.) in Tanzania, accepted for publication in the *Journal of Animal and Plant Sciences*.

Nigatu, L., A. Hassen, J. J. Sharma and S. W. Adkins, 2010. Impact of *Parthenium hysterophorus* on grazing land communities in north-eastern Ethiopia. *Weed Biology and Mgmt.* 10: 143-152.

Negeri, M., K. Zewdie, A. Magerssa, W. Mersie, L. Hiwot 2009. Biological Control of Parthenium Weed (*Parthenium hysterophorus* L) in Ethiopia: The Process, Progress and Prospects. *Ethiopian Journal of Weed Science Management.* 3: 73-75.

Ochwo-Ssemakula, M., T. Sengooba, J. J. Hakiza, E. Adipala, R. Edema, M. G. Redinbaugh, V. Aritua and S. Winter. The Characterization and Distribution of a Strain of *Passiflora chlorosis* Virus from Uganda, *Paper under review, Plant Disease*

Rakshit, A., A.N.M. Rezaul Karim, T. Hristovska and G. W. Norton. 2010. Economic impact assessment of pheromone traps to manage fruit fly on sweet gourd in Bangladesh. *Bangladesh J. Agric. Res.* (Submitted in September 2010 for publication).

Rapusas, H. R., S. E. Santiago, J. M. Ramos, S. M. Roguel, S. A. Miller, M. Hammig, and B. M. Shepard. Integrated Pest Management: Assessment of Implementation in Rice-Vegetable Cropping Systems. *The Philippine Entomologist*. 23: 67-94.

Rehman, M., Melgar, J., Rivera C., J.M., Urbina, N., Idris, A.M., and Brown, J.K. 2010. First report of “*Candidatus Liberibacter psyllauros*” or “*Ca. Liberibacter solanacearum*” associated with severe foliar chlorosis, curling, and necrosis, and tuber discoloration of potato plants in Honduras. *Plant Dis.* **94**:376.

Saidov N.Sh., A.U. Jalilov, D.A. Landis, A. Fiedler, V.K. Nazirov, T. Mirzoev (2010): Introduction the flowering plants in agricultural landscapes for increasing of efficiency of natural enemies. *Bulletin of the Academy of agricultural sciences of the Republic of Tajikistan, Dushanbe-2010*, 10 p., in the press (in Russian).

Sikirou, R., Beed, F. Ezin, V., Gbèhounou, G., Miller, S. A. and Wydra, K. 2009. First report of bacterial wilt of tomato (*Solanum lycopersicum*) caused by *Ralstonia solanacearum* in Benin. *Plant Dis.* 93:549.

Tashpulatova B., Rashidov M.I., 2009, Test of a new pheromone against fruit bollworm (*Helicoverpa armigera*), *Bulletin of Agrarian Science*, # 1-2, p. 33-35 (Russian).

Trisno J, SH Hidayat, T Habazar, I Manti, Jamsari. 2009. Detection and Sequence Diversity of Begomovirus Associated with Yellow Leaf Curl Disease of Pepper (*Capsicum annum*) in West Sumatra, Indonesia. *Microbiology Indonesia* 3: 61 – 66.

Weller, S.C. and G.E. Sanchez. 2009. Integrated crop management strategies for sustainable production of non-traditional agriculture exports: Snow peas in Guatemala. *Chronica Horticul.* 49:19-21.

Zaman, F.U., D.D. Calvin, E.G. Rajotte and D.V. Sumerford. 2010. Can a specialist parasitoid, *Macrorcentrus cingulum*, (Hymenoptera: Braconidae), influence the ecotype structure of its preferred host, *Ostrinia nubilalis* (Lepidoptera: Crambidae). *J. Econ. Entomol.* 103(2) 249-56

Zewdie, Z. and W. Mersie. 2010. Current Status and potential distribution of parthenium weed in Ethiopia. *Ethiopian Journal of Weed Science Management*. Volume 4 (in press).

Non-refereed publications:

Bisikwa, J. 2010. Parthenium weed problem, its spread and status in Uganda. *International Parthenium Newsletter No. 2 Tropical & Sub-Tropical Weed Research Unit, The University of Queensland, Australia*

Budiman, D.T. Sembel, M. Tulung 2010. Biologi *Nesidiocoris tenuis* (Hemiptera: Miridae) pada tanaman tomat di Sulawesi Utara. Excepted for publication on *Journal Eugenia* 15 (3) : ...

Dinakaran, D., Bakkiyanathan, C., Anitha, N. S. and Kathiresan, G. 2010. *Vengayathil Magasool Izhappai Thavirka Noi Nirvagam*. *Uzhavar Oosai* 7: 46-49

Gajendran, G., Dinakaran, D. and Kathiresan, G. 2010. Venkaya vilaichalai kuraikum poochi noi melanmai. *Uzhavarin Valarum Velanmai*. 1: 33-36

Gajendran, G., Anitha .N.S. and Kathiresan, G.2010. *Vengayathil Poochi Nirvagam*. Uzhavar Oosai 6: 19-21

Lumowa, S.V.T., D.T. Sembel, J. warouw, J. Pomgoh, J. Pelealu and M.L.A Hosang (Okt. 2009). Eksplorasi *Trichoderma* spp. pada rizosfer tanaman kentang di Kecamatan Modinding. *Eugenia* 15(2): 39-47

Moniaga, W.M., J. Kresen and D.T. Sembel. Okt. 2009. Pengaruh feromon seks “CPB Lure” terhadap hama *Conopomorpha cramerella* Sn pada tanaman kakao. *Eugenia* 15: 80-87)

Muniappan, R. 2010. Two invasive weeds on the march in Africa. IAPPS Newsletter, August 2010.

Muniappan, R. 2010. Three invasive mealybugs are on the march in Asia. IAPPS Newsletter, Sept. 2010.

Sembel, D.T., J. Kriesen, J. Watung, M. Hammig, G. Carner and M. Shepard. 2009. Parasitasi hama penggorok daun (Diptera:Agromyzidae) pada tanaman tomat di Tomohon dan Minahasa. *Eugenia* 15(2): 69-79

Sembel, D.T. and W. Moniaga. 2009. Survey hama baru, *Paracoccus marginatus* Williams and Geanara de Willink. Pada tanaman papaya di Sulawesi Utara. *Eugenia* 15(2): 108-114.

Bulletins, pamphlets, posters etc:

Technology Bulletin:

Anon. 2010. a) Pests of Onion, b) Onion Thrips, c) Diseases of Onion, d) Purple blotch disease in onion, e) Mealy bug in Brinjal, Papaya mealybug, f) Yellow vein Mosaic, g)Virus in okra, h) Nematodes in Tomato, i) Natural enemies in Brinjal, j) Viruses in Tomato (India).

Anon. 2010. Phytocid mites as field, orchard and garden crops protectors, Tashkent-2010, (in Russian and in Uzbek).

Anon. 2010. Botanical pesticides in agriculture; Tashkent -2010, (in Russian and Uzbek).

Anon. 2010. Success Story: Central Asia IPM CRSP Project Outreach and Education - <http://www.ipm.msu.edu/asia/success.html>

Anon. 2010. Compendium on Farmers Field Schools in Kyrgyzstan – 170 p.

Anon. 2010. Coffee twig borer (*Xylosandrus* sp): A new threat to coffee production in Uganda.

Anon. 2010. Key insect pests of Arabica coffee in Uganda and their management

Asaquibay, C.; Gallegos, P.; Arroyo, M.; Williams, R y Alwang, J. 2009. *Comportamiento y alternativas de control del gusano del fruto de la naranjilla (Neoleucinodes elegantalis)*. INIAP-IPM CRSP. Boletín Divulgativo No. 347. Quito, Ecuador. 16 pp.

Asaquibay, C.; Gallegos, P.; Arroyo, M.; Williams, R y Alwang, J. 2009. *Ciclo biológico, comportamiento y control del gusano del fruto de la naranjilla (Neoleucinodes elegantalis)*. INIAP-IPM CRSP. Plegable No. 318. Quito, Ecuador.

Asaquibay, C.; Núñez, N.; Gallegos, P. 2010 *Alternativas de control de la mosca de la fruta Anastrepha fraterculus Weidemann, en cherimoya Annona cherimola Mill.* INIAP Boletín Divulgativo No. 139. Quito. Quito, Ecuador. 16 pp.

Biofertilizer Production Vesicular Arbuscular Mychorrhizae (VAM). PhilRice 2009 No 61

Brown J. K. 2010. Candidatus Liberibacter Overview-PDF. A new type of bacterium associated with psyllids and plants.. Posted at the IPM CRSP website September 2010.

Egonyu, J.P. and P. Kucel, 2010. The coffee lace bug (*Habrochila* sp.): Emerging major challenge to Arabica coffee in Uganda. NARO/NaCRRI/COREC

FHIA. 2010. Development of Pictorial Guide to Assist in Decision-taking for Spraying Fungicides to Control Late Blight of Potatoes.

FHIA. 2010. Potato Psyllid: An Enemy Causing Important Losses in Honduras. FHIA's Plant Protection Series Fact Sheet No. 9.

KARI-Thika . 2010. Tomato diseases, for Tomato Farmers' Integrated Pest Management training workshop held at KARI-Thika, 12-13 April 2010. (Kenya).

Ochoa, J.; Ellis, M. y Alwang, J. 2010. *La Fusariosis de la naranjilla y su control.* INIA-IPM CRSP. Plegable No. 323. Quito, Ecuador.

Ochoa, J.; Ellis, M. y Alwang, J. 2010. *Ojo de pollo de la naranjilla y su control.* INIAP-IPM CRSP. Plegable No. 324. Quito, Ecuador.

Ochoa, J.; Ellis, M. y Alwang, J. 2010. *El Tizón y Lancha Blanca de la naranjilla y su control.* INIAP-IPM CRSP. Plegable No. 325. Quito, Ecuador.

Ochoa, J.; Ellis, M.; Alwang, J. 2010 *El manejo de la "Fusariosis" como base para un cultivo ecológico de la naranjilla en el Ecuador.* INIAP-IPM CRSP. Boletín Divulgativo No. 138. Quito, Ecuador. 24 pp.

PROMIPAC and collaborators. 2010. Alternative IPM management for Paratrypanosoma in potatoes. Zamorano, Honduras. 2 p

Rivera J.M., J. C. Melgar, and H. Espinosa and J. K. Brown . Zebra Chip Disease of Potato in Honduras-PDF.. Posted on IPM CRSP website September 2010.

PhilRice. 2010. *Trichoderma* Biofungicide for Vegetables. PhilRice 2009 No. 62.

PhilRice. 2010. *Trichoderma* sp.: Mabisa Na, Makalिकासan Pa!

PhilRice. 2010. VAM: Vesicular Arbuscular Mychorrhizae

PhilRice. 2010. Vegetable Disease Diagnostic Kit for Farmers

Saidov N., D. Landis, A. Fiedler, M. Bouhssini, V. Nazirov (2010): Introduction of native flowering plants in agro landscapes for attracting beneficial insects. Brochure, Dushanbe, 14 p.(in Tajik).

Tashpulatova, B . 2010 Brochure Food Security and Climate Change in CAC, 2009, ICARDA –CAC, Tashkent, p. 25-27 (English)

Tashpulatova B., Rashidov M.I., 2009, Test of a new pheromone against fruit bollworm (*Helicoverpa armigera*), Bulletin of Agrarian Science, # 1-2, p. 33-35 (Russian).

Tashpulatova B.A., Frank Zalom, Rashidov M.I., Suleimanov, 2009, Methodological recommendations on rearing of predator mites (Phytoseiidae family) for biological control of greenhouse pests -ICARDA-MSU and Tashkent Agrarian University. Tashkent-, 18 p. (in Russian and in Uzbek).

Waiganjo, M.M., Kyamanywa, S., Maerere, M., Sibuga, K., Amata, R., Kuria, S., Kahinga, J., Otipa, M., Erbaugh M., Kovach, J., Miller, S., Namirembe-Ssenko, R., Karungi, J., Ssemakula, M. 2010. Participatory IPM-CRSP Activities among Smallholder Horticultural Growers in East Africa. Poster presented during the Horticultural Collaborative Research Support Program (Hort CRSP) Inception Workshop held at the National Institute of Education, Singapore (16-18th May, 2010).

Waiganjo, M.M., Kyamanywa, S; Maerere, M; Sibuga, K; Amata, R; Kuria, S; Kahinga, J; Otipa, M; Erbaugh M.; S. Miller; Kovach, J; Namirembe-Ssenko, R; Karungi, J; Ssemakula, M. 2010. IPM CRSP Activities among Smallholder Growers in East Africa. Poster presented during the Tomato Grafting and High Tunnel workshop held at KARI-Thika on 12th -13th April 2010

23 web-based articles promoting IPM in India, 27 posters, and 9 pamphlets

Presentations and Abstracts:

Amata R.L. 2010. Contributions Made by African Women in Agricultural Research and Development with Reference to Passion Fruit, Cassava and Sweet Potato Research. Presented at the Gender and Diversity invitation meeting of 2010 AWARD Fellowship recipients at the World Agroforestry Centre (ICRAF) on 27 July 2010

Amata R.L. 2010. Fungal Diseases of Tomato, Physiological Disorders and Their Management. Paper presented during the IPM CRSP Tomato Grafting and High Tunnel workshop held at KARI-Thika on 12th -13th April 2010.

Amata R.L., Otipa M J., Kuria S., Kahinga J., Menza M., Wasike J, Waiganjo M. 2010. IPM CRSP Passion Fruit Research in Kenya. A presentation made at the IPM CRSP Steering Committee Meeting held in Mbale Uganda , 20th– 23rd June 2010.

Amata, R. L., Otipa, M. J., Waiganjo, M., Wasilwa L, Kinoti, J, Kyamanwa S., Erbaugh .2009. Passion Fruit Production Systems Management Strategies for Fungal Diseases in Kenya. In the book of Abstracts, 1st All Africa Horticulture Congress, Safari Park Hotel Nairobi, 31st August to 3rd September 2009, Nairobi, Kenya, p. 88.

Andrango, R.2010. FFS for carrots IPM. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Arguello, H. 2010. Evaluation of preventive and curative IPM tactics for tomatoes in the north zone in Nicaragua. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Bonabana, J. 2010. Benefits of Reducing Pesticides, and Alternative Methods of Controlling Major Pests in Potato Production in Southwestern Uganda. (May, 2010). Informal presentation to potato

farmers in Muko, Rubaya and Hamurwa subcounties, Kabale district as part of Millenium Science Initiative project.

Bonabana, J. 2010. "How, Why and When to Assess Impact of an Introduced Technology" presented in ABM course 1205, Makerere University. In this presentation, students were exposed to methodologies for impact assessment being used by the IPM team. 20 female and 39 male students attended this presentation.

Bonabana, J. 2010. Status and Progress of IPM CRSP East Africa Impact Assessment Activities. (2010). Presented at the IPM Annual Technical Committee meeting held in Mbale, Uganda, June 2010.

Briceño, M. 2010. White grub Control (*Phylophaga spp.*) with the Nematode *Heterorhabditis bacteriophora*. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Briceño, M. 2010. White grub Control (*Phylophaga spp.*) with the Nematode *Heterorhabditis bacteriophora*. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Castellanos, M. 2010. Incidence evaluation of golden mosaic virus in dry beans cultivars. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Diaz, F. J.1, Jimenez, J., Weller. 2010. Reaction and agronomic behavior of five cowpea varieties for the management of root-knot nematodes and its subsequent effect on a sweet potato cultivar. Presentation at the 28th International Horticulture Congress held in Lisbon, Portugal August 22-27, 2010.

Diaz, F. J.1, Jimenez, J., Weller. 2010. Susceptibility of six cowpea cultivars to species of root-knot nematode in Honduras. Presentation at the 28th International Horticulture Congress held in Lisbon, Portugal August 22-27, 2010.

Diaz, F.J., S. Weller, and J.M. Rivera. 2010. Reaction and Agronomic Behavior of Five Cowpea Varieties for the Management of Root-knot Nematodes and its Subsequent Effect on a Sweet Potato Cultivar. Proceedings of the 28th International Horticultural Congress of the International Society for Horticultural Sciences. Lisbon, Portugal. August 22-27, 2010.

Erazo, L. 2010. Temperature effect over the development of thrips *Pseudophilothrips ichini* (*Phlaeothripidae*), a potential biological control of *Schinus terebinthifolius* (*Anacardiaceae*) in Florida. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Erbaugh, J.M. 2009. The Land Grant Concept: Building Linkages Among Teaching, Research, and Extension; and Contributions of Farmer Participation to IPM Research and Development: The IPM CRSP Experience in Uganda. Presented on November 5th to the Institute of Agricultural Research and the Department of Crop Protection, Ahmadu Bella University, Zaria, Nigeria.

Erbaugh, J.M., E. Wairimu, M. Waiganjo, and K. Sibuga. 2010. Implications of Gender and Context on the Design of IPM Programs for Tomato Growers in East Africa. Abstract, Journal of International Agricultural and Extension Education, 17: 55.

Erbaugh, J.M., E. Wairimu, M. Waiganjo, and K. Sibuga. 2010. Implications of Gender and Context on the Design of IPM Programs for Tomato Growers in East Africa. Presented at the 26th Annual conference of AIAEE, May 16-19, Saskatoon, Saskatchewan, Canada.

Espinoza, H.R., and R. Foster. 2010. Effect on Chinese Eggplant Production of the Diversification of Habitat for Natural Populations of the Predatory Pirate Bug *Orius insidiosus* and Other Predators of *Thrips palmi*. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. August 24-27, 2010.

Figueroa, V. 2010. Qualitative analysis of FFS implementation in Cacao at la Masica Atlantida. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

García, A. and I. Zeledón. 2010. Technical and methodological reinforcements in IPM using FFS to INPRHU- SOMOTO, Nicaragua. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Gomez, G. 2010. Agroecological cabbage production in the Valerio community, Jinotega, Nicaragua. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Ivakdalam L, A Nurmansyah, D Sartiami, A Rauf. 2010. Dampak ekonomi serangan hama invasif baru *Paracoccus marginatus* (Hemiptera: Pseudococcidae) pada usahatani pepaya di Kabupaten Bogor. Seminar Nasional PEI Cabang Bogor, 24 Juni 2010.

Joya, A. 2010. *Orius insidiosus* for biological control of Thrips. Proceedings of the XII International Congress of Integrated Pest Management and XX Annual Meeting of the American Society of Phytopathology-Caribbean Division. Managua, Nicaragua. 24-27 August, 2010.

Kambo C.M., Waiganjo M.M . and Njeru C. 2010. Tomato : Integrated Pest Management. Presented at the Tomato IPM Workshop Held at KARI-Thika 12th-13th April 2010

Karthikeyan, G. 2010. Varietal screening and rouging trial data. Presentation at Horticulture Scientists Meeting, TNAU, May 11-12, 2010.

Karthikeyan, G. 2010. Molecular characterization of Tobacco streak virus in soybean. Presentation at Pulse Scientists Meeting, TNAU, March 29-30, 2010.

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DVDs, CDs and other electronic media productions:

Zebra chip-potato psyllid complex. A CD was prepared with the lectures presented on August 02-04, 2010 in the regional workshop titled Potato Psyllid/*Ca. Liberibacter Solanacearum*: A New Bacterial-insect Vector Complex Causing Diseases of Potato and Tomato in the Americas held at Siguatepeque (Honduras).

CDs with gender in agriculture resources were distributed at 5 workshops to all participants (1 Spanish, 1 French, 3 English).

CD - FFS Modules on Onion Production and Other Vegetables, Philippines.

Candidatus *Liberibacter* Overview-PDF. A new type of bacterium associated with psyllids and plants. Judith K. Brown. Posted at the IPM CRSP website September 2010.

CD - IPM CRSP SE Asia Regional Program. 2010. Annual Project Workshop. 20-21 July 2010. Cipanas, West Java, Indonesia.

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Carner, G.R. 2010. Diagnosis of diseases of insects. Bogor, Indonesia.

Gurel F. B. 2010. Diagnosing plant disease caused by bacteria. Bogor, Indonesia.

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Nawangsih, A.A. 2010. Diagnostic guide of plant pathogenic bacteria: *Ralstonia solanacearum*. Bogor, Indonesia.

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International Plant Virus Disease Network Workshop and Planning Meeting for Asian Regions (powerpoint presentations) were saved on a jump drive and distributed to each of the participants at the end of the workshop.

Sinaga, M. S. 2010. Diagnosis of fungal plant diseases. Bogor, Indonesia.

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YouTube: Ingenious Diagnostics Combat Global Plant Disease

<http://www.wsutoday.wsu.edu/Pages/Publications.asp?Action=Detail&PublicationID=21721&PageID>

Zebra Chip Disease of Potato in Honduras-PDF. Jose Mauricio Rivera, Jose C. Melgar, and Hernan Espinosa (FHIA, Honduras), and Judith K. Brown (The University of Arizona). Posted at the IPM CRSP website September 2010.

Radio programs

March 2010, an oral presentation entitled, 'Gardening in the Era of Alien Plant Invasions in Kenya' was made to a group of succulent plants specialists and gardeners with the appeal to guard against spreading potential invasive species. The idea is to reach as many people as possible with information on dangers of invasive species so that they can help in educating the rest of the public and in finding local solutions to the IAS problem. Members of the group committed themselves to notify others of occurrence of Parthenium and other invasive species to enhance their management in the country.

The National Agricultural Research Organization (NARO) of Uganda launched a national campaign on TV stations and local news media to inform the public about the effects of Parthenium.

The gender workshop in India was covered by The Hindu and the New Indian Express ("Women still have no access to knowhow, says Agri VC" on 9/19/10), and was also published online.

The Mali Gender workshop was covered by French cable news and broadcast throughout West Africa.

IPM messages for various crops numbering 37 have been flashed through All India Radio, Trichy and Coimbatore for the benefit of farmers of this region.

Theses

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Basante, Romel Israel Villarroel. 2009. Functional, numerical and interference responses of *Neoseiulus californicus* over *Tetranychus urticae* y *Tetranychus cinanbarinus*). Thesis, Escuela Agrícola Panamericana, Honduras.

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Murillo, José Antonio Zambrano. 2009. Evaluation of *Sitotroga cerealella* eggs to feed *Orius insidiosus* and vegetable substrates (*Bidens pilosa* y *Hiponoea batata*) for ovoposition in laboratory conditions. Thesis, Escuela Agrícola Panamericana, Honduras. Thesis, Escuela Agrícola Panamericana, Honduras.

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Perrera, Arnulfo. 2009. Control of *Phyllophaga spp.* Larvae with *Heterorhabditis bacteriophora* in sweet potato in Zamorano, Honduras. Thesis, Escuela Agrícola Panamericana, Honduras.

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Exhibits

Ssemakula, M., Arinaitwe, W., and Kyeyune, T. Jinja Agricultural Show: Exhibition designed and hosted by Dr. Ochwo-Ssemakula for Makerere University Faculty of Agriculture. Exhibit focused on IPM CRSP work and plant disease diagnostics. 300 farmers visited the stall and 100 signed the visitors' book.

Working Paper/Manuscript:

Erbaugh, J.M. Social Factors and IPM. Sent to IPM CRSP management entity who then submitted to Josette Lewis, USAID.

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USAID Fact Sheet, October 20, 2009. FY 2008 Research Highlights: Increasing Farmer's Income in Uganda. www.usaid.gov/press/factsheets/2009/fs091019

IPMnet News #172 July/August 2009. IPM Approach Benefits Ugandan Tomato Crops - IPMnet@science.oregonstate.edu

Call to address re-emergence of virus diseases. Indian Express, July 13, 2010.

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Media Release

Title	Date	Media
Biofertilizer use in vegetables saves on production cost	18 February 2010	PhilRice online
Ilocos Sur vegetable farmers advocate IPM	15 February 2010	PhilRice online
Save on input costs of veggies with biofungicide	April 14, 2010	SeedQuest online
Save on fertilization Cost of Veggies with Biofertilizer	March issue	Agriculture Magazine
Save on Input Costs with Biofungicide	April issue	Agriculture Magazine
Microorganism to the rescue	March	PhilRice Newsletter
Engineering a profitable farm		PhilRice online
This farmer is making Eco-friendly cash		PhilRice online
Ilocos Sur vegetable farmers found biofertilizer effective		PhilRice online
Ilocos vegetable farmers laud <i>Trichoderma</i> sp. as biofungicide		PhilRice online