

TIM STOCK

IPM Education Specialist
Integrated Plant Protection Center
Oregon State University
Corvallis, OR

EDUCATION: **Master of Science in Agricultural Extension;** University of Reading.
Reading, England.

CURRENT POSITION:

IPM Education Specialist, Integrated Plant Protection Center, Oregon State University, Corvallis. Provide leadership of the Pesticide Safety Education Program, Extension Agriculture Program (PSEP). Organize and teach in PSEP events in English and Spanish. Provide support to county extension agents and others who conduct PSEP events. Promote farm safety within the agricultural community via “Farm Safety Tips”. Develop program to promote the implementation of IPM in schools.

OUTREACH AND EDUCATION:

Four Short Courses per Year:

Organizer, Chemical Applicators Short Course, Portland. Average 22 presenters, 200 participants

Organizer, Non Crop Vegetation Management Course, Corvallis. Average 18 presenters, 220 participants

Organizer, Urban Pest Management Course, Oregon City. Average 8 presenters, 70 participants

Organizer, Central Oregon Pest Management Course, Bend. Average 10 presenters, 85 participants

Workshops and Training:

Average 58 presentations per year on the following topics:

Spanish and English: Drift Management, Personal Protective Equipment, Pesticide Labels and Formulations, Applying IPM in Non Agricultural Settings, Signs and Symptoms of Pesticide Poisoning, Pesticide Laws and Regulations, Pre-license training.

English only: Boom Sprayer Calibration and Tune up.

Co-Organizer, Hands-on Handler Workshop for Hispanic Pesticide Applicators in Hood River.

Co-Organizer, Youth Tractor Safety Training Trainer Certification Workshop for Extension Faculty and High School Agriculture Teachers.

Curriculum Development:

Worked with Department of Ag Education / General Agriculture to develop curriculum for program to certify OSU Extension faculty and High School agriculture teachers to conduct youth tractor safety training.

Developed instructor guides for Extension Faculty to provide training on 1) Pesticide Labels and Formulations, 2) Sprayer Calibration and Tune-up, and 3) Pesticide Drift (Demonstration).

Developed guidelines for curriculum development for pesticide risk reduction project in Southeast Asia.

Developed guidelines and structured learning exercises for trainers in Southwest China on pesticide formulations, PPE, monitoring farmer exposure, non-applicator exposure, backpack sprayer maintenance, triple-rinsing, and container disposal.

OTHER ASSIGNMENTS:

Development and maintenance of an effective and informative web site to support the PSEP program:

Created the Pesticide Safety and IPM Education Program website to provide information for those involved in pesticide application and training, as well as farm safety and school IPM (see http://www.ipmnet.org/Tim/PSEP_home.htm).

Liaison with USDA CSREES, USEPA, and ODA regarding the applicator training program:

As coordinator of the PSEP program, attend the annual Western Region Pesticide Meeting. Liaise with USDA CSREES and USEPA at the meeting.

Meet regularly with ODA Pesticides Division to discuss possible pesticide policy changes, including changes to CORE requirements and K-12 school pesticide applicator licensing.

School IPM:

Wrote white paper on “Improving Pest Management and Reducing Pesticide Risks in Oregon Public Schools, Parks, and Sensitive Sites (Care Facilities)”. Gave invited presentations on the white paper to multiple stakeholder audiences including the legislative Workgroup on Pesticides In and Around Schools and the Oregon School Facilities Management Association.

Member of the Western Region School IPM Implementation and Assessment Work Group (funded by the Western IPM Center).

Member of the Multistate Education/Extension and Research Coordinating Committee (project # WERA TEMP 2182) “Implementation and Assessment of IPM in Urban Environments”.

International:

Invited as a presenter and resource person at the Regional Workshop on Curriculum Development for Pesticide Risk Reduction in SE Asia, sponsored by the Food and Agriculture Organization of the United Nations (FAO), Phnom Penh, Cambodia. Presented on IPPC’s activities to reduce pesticide risks to the environment and human health, personal protective

equipment, and pesticide labels. Also developed guidelines for curriculum development for pesticide risk reduction.

Invited to participate in the “Training of Trainers Course of China/FAO Pesticide Risk Reduction Program” in Guangxi, China. Developed pesticide risk reduction exercises for Southwest China (see above under Curriculum Development).

SCHOLARSHIP:

Professional Invited Presentations:

Professional invited presentation at the Western Region Pesticide Meeting. Portland, Oregon. May, 2007. “Addressing High Profile Pesticide Misuse: Education to Prevent Misuse”.

Professional invited presentation at the Western Region Pesticide Meeting. Scottsdale, Arizona. May, 2008. “Pesticides in Cambodia: Snapshots from a Single Day”.

Publications:

“Group Activities for Participatory Monitoring and Evaluation: An adaptable model, *Journal of Extension Systems*, 12-2 (1996), 33-44.

“Farmer Field Schools: Impact for IPM in the Philippines: Implications for Sustainable Agriculture” , *Journal of Extension Systems*, 11-2 (1995), 46-60.

OSU Extension Publications:

Stock, T., R. Hilton and C. Hollingsworth. 2008. EC1625-E “Choosing a Pest Control Company: IPM is the Key”.

Stone, D., and T. Stock. 2008. PNW 606-E. “Mothballs: Proper Use and Alternative Controls for Clothes Moths”.

Stock, T. 2008. EM 8964-E. “Preventing Water Contamination and Pesticide Drift: A Checklist for Pesticide Applicators”.

PAST EMPLOYMENT HIGHLIGHTS:

Education and Outreach Specialist, Western Center for Agricultural Health and Safety, University of California, Davis. Developed and implemented informational and educational materials and training programs for agricultural workers, community agency employees, and community members to educate them about various aspects of agricultural health and safety. Participated in health and safety programs for agricultural workers and their employers.

Pesticide Safety Educator, UC Statewide IPM Program, Davis, California. Formed an advisory committee with experts from agricultural commodity groups to develop commodity-specific training for pest management risk reduction. Target issues were avoiding water contamination and pesticide drift. Curricula development, training of trainers, and evaluation/follow-up were integral components of this initiative. Also conducted training of trainers of pesticide handlers

and agricultural fieldworkers. One of 10 Master Trainers chosen by the EPA to participate in the Train-the-Trainer Pilot Project for the National Assessment of the Worker Protection Standard.

Participation and Gender Specialist, CATIE-MIP/AF. Managua, Nicaragua. This was a regional IPM program the goal of which was to improve pest-management practices of farm families through ecological reasoning and systematic observation. As a member of the management team supervised two specialists in participatory methods and gender inclusion issues. Assessed content of season-long training of trainers in IPM, and facilitated increased incorporation of participatory methods and a family focus into the training. Trained farmers and master-trainers in participatory implementation of IPM. Developed curricula and various training guides for training of farm families, trainers and master trainers.

Farmworker Education Specialist, Washington State Department of Agriculture. Olympia, Washington. Advised and then facilitated a move towards more interactive training and partnering with other entities for a more effective and expanded program. This included identifying and prioritizing educational needs in pesticide safety education for farmworkers, developing a partnership action committee with industry and educational institutions, and an evaluation of the program using participatory rural appraisal techniques. Also conducted pesticide applicator training and advised on IPM training for farmworkers.

Participation and Extension Consultant, JICA (Japanese government). Kanagawa, Japan. Designed, planned, and carried out short training for JICA on "People's Participation and Extension in the Development Process". Topics included 'Participation which Promotes Dependency vs. Participation which Promotes Self-Reliance' and 'Discovery-based Learning'. Participatory group activities for monitoring and evaluation were also conducted.

IPM Training and Extension Consultant, FAO. Islamabad, Pakistan. Evaluated the role of IPM extension programs for cotton and prepared a concept paper training as a result. This led to the establishment of a National IPM Implementation Program, as well as a project for field training of trainers and farmers based on the FAO Farmer Field School model for IPM. Also made recommendations on the types of structures needed for the delivery of IPM training on a national level, and recommended a mechanism for evaluating the program.

Implementation Officer, Sofala Rural Rehabilitation Project; Food for the Hungry International. Beira, Mozambique. Managed a U.S.A.I.D.- funded \$4.2 million agricultural and rural rehabilitation project. The objective of the project was to assist 50,000 displaced people in four districts to determine and act on their own development and rehabilitation priorities. The major focus was on agricultural extension. Supervised multicultural staff of 24. Designed and implemented a social and economic impact survey for the target population of 50,000. Based on results, developed an extension program for the target population.