

PSEP-IMI – Resources Funded in 2014 (Goals 2c, 2d, 2e) - Revised 1-30-15

“Cleaning and Maintenance of Pesticide Spray Equipment” (Colorado/Wyoming, Enhanced Resource) This online module will demonstrate the proper technique to clean sprayers ranging from hand-held sprayers to turf sprayers to large hydraulic sprayers. The module will include guidelines for cleaning various sized sprayers, the use of tank cleaners, and areas of the sprayers which may be difficult to clean. Maintenance will include inspecting and cleaning nozzles, screens, and hose. This module for applicator recertification credit in English will also be available as a fully-scripted PowerPoint presentation.

“National Respiratory Protection Educational Module” (Minnesota, New Resource) This module will consist of: a) a presentation PowerPoint; b) in-depth support materials for presenters (i.e. train the trainer); c) TurningPoint quizzes and other learning tools, d) a supplement to the PowerPoint for learners and e) a version of the PowerPoint suitable for uploading into e-learning environments. The module will also be translated and made available in Spanish.

“Recertification Workshop Learning Assessment Tool” (Minnesota, New Resource) A case study will be created for use as a training tool for other PSEPs developing assessment tools and will document how actual onsite plus follow-up participant surveys of private recertification workshops measured workshop educational outcomes and addressed the challenges and issues in creating the tool and its value. A draft generic national assessment tool will be developed, including supporting documentation about costs, implementation, etc. designed for use and adaptation in by other states.

“Water Quality and Pesticide Performance” (Montana/Idaho, Enhanced Resource) This online module will discuss the impacts of water pH, hardness, and turbidity on pesticide performance. This module for applicator recertification credit in English will also be available as a fully-scripted PowerPoint presentation.

“Update and Enhance 2002 Document Respiratory Protection for Pesticides and Companion PowerPoint to Become Respiratory Protection for Pesticides - A User’s Guide to Reading between the Lines of the Label (for National Use)” (New Jersey, Enhanced Resource) “Respiratory Protection for Pesticides” will be updated. It addresses setting up a respiratory protection program; respiratory hazards and proper use of respirators; use of certified respirators; selection of respirator type; service life; medical evaluation; respirator fit; and use, care, and maintenance of respirators, using primary sources of information such as NIOSH standards, OSHA rules and regulations, and published EPA policy.

“A National Wood Preservation Training Manual” (New York, New Resource) This manual will be in English and have the following sections: a. Purpose and Goals of Wood Preservation; b. Wood Preservatives (types, hazards to human health and the environment); c. Preparing Lumber and Wood Products for Treatment; d. Nonpressure Treatment of Wood (including laws, safety precautions and recycling/disposal); e. Pressure Treatment of Wood (including laws, safety precautions and recycling/disposal); and f. Quality Control (e.g., AWPA standards).

“A National Public Health Manual and Accompanying PowerPoint Training Presentation” (North Carolina, New Resource) A new Public Health Pest Control certification manual and accompanying scripted PowerPoint training presentation will be developed for national use.

“Discerning Mandatory and Advisory Statements on Pesticide Labels” (North Dakota, New Resource) Four learning modules will focus on pesticide labeling for products used in Agricultural Pest Control, Ornamental and Turf Pest Control, Rights of Way Weed Control and Structural Pest Control. Each module will include 1) a PowerPoint presentation that will lead applicators through the qualifier language used with Mandatory/Advisory statements, 2) a worksheet with the actual label statements as well as a question and answer set, 3) a TurningPoint presentation that will allow the presenter to judge pre- and post-test knowledge, and 4) a narrated video presentation of the PowerPoint/TurningPoint to train the trainer.

“Pesticides 101 On-Line Train-the-Trainer Course for PSEP and Other Not-for-Profit Educators” (Pennsylvania, New Resource) These Pesticide 101 curriculum modules will be aligned with the National Pesticide Core Manual, with content adapted when the second edition of the National Core Manual becomes available. There will be online modules on each chapter and activities, including hands-on demonstrations, PowerPoints and handouts, to use when teaching the pesticide safety material to learner audiences.

“A Pest Control Unit, a Termite Control Unit, and an Ornamental and Turf Unit, Each Consisting of Several Modules for New Applicator Training as Well as Continuing Education” (Texas, Enhanced Resource) Each unit will consist of several modules, organized in such a way that they can be used as one large training package or in portions, as needed. Each unit will consist of training on pests commonly encountered as well as training in core principles. Units will include videos, PowerPoint slides, PowerPoint slides with narration, video clips, and supplemental reading material. Pre-tests, post-tests, activity handouts/directions, and supplemental reading material will be provided with each of the units.

"Insecticide Application Strategies to Manage Pesticide Resistance" (Utah, Enhanced Resource) This online module will address the evolutionary mechanism of pesticide resistance development within a pest population. It will stress the importance of IPM techniques and best practices in pesticide application (correct dosing, calibration, pesticide rotation). This module for applicator recertification credit in English will also be available as a fully-scripted PowerPoint presentation.

"Pesticide Labeling: Understanding, Application, and Safety" (Utah/Hawaii, New Resource) This online module will include pesticide labeling information with emphasis on mandatory versus advisory language with the emphasis placed on safety. The presentation will rely heavily on the revised EPA Label Manual and the numerous EPA pesticide web sites. Video footage will include situations that illustrate how label misinterpretations occur. Numerous label images will be used to demonstrate the need to carefully read and follow pesticide label directions. This module for applicator recertification credit in English will also be available as a fully-scripted PowerPoint presentation.

“Using Human Exposure Case Studies to Educate Applicators about Risk Prevention and First Aid” (Washington, New Resource) This project will use the concept of case-study education to relay personal protective practices. Several case studies will be presented, how each case was investigated, their findings, and then the underlying principles of pesticide safety that could have prevented the problem from arising. In addition, labeling language will be referenced and a discussion of the risk assessment process for that particular scenario. Four 50-minute PowerPoint modules will be developed and also translated into Spanish.

"EPA Risk Assessments and PPE Requirements for Pesticide Labeling" (Washington, New Resource) This online module will look at the basis of the risk assessment process required for pesticide registration. Mitigation measures for labeling language for personal protective clothing and equipment will be presented based on the recently revised EPA Label Review Manual. Video clips will illustrate different exposure scenarios. Images of dermal exposure assessment will be discussed in greatest detail since the large majority of products pose greater concerns for dermal exposure. This module for applicator recertification credit in English will also be available as a fully-scripted PowerPoint presentation.