

**MSUE**  
**Pesticide Safety Education Program**  
**(PSEP)**

**Michigan State University**  
**East Lansing, MI**

OUR WEB SITE: <http://www.pested.msu.edu/>

**Final Report (October 2006 to September 2007)**

to the

**Michigan Department of Agriculture, PPPM Division**

**and the MDA Pesticide Advisory Committee**

**and Bruce Wilkinson of EPA Region 5**

**Submitted by the MSU Pesticide Safety Education Program, October 2007**

**Dr. Carolyn Randall – Coordinator**

Temporary Labor Employees: John Stone, Erica Jenkins, Susan Risley, Sheryl Goodreau

## Our Objective:

The MSU Pesticide Safety Education Program (PSEP) works with the Michigan Department of Agriculture Pesticide and Plant Pest Management Division to carry out applicator certification and training. As its part of a Memorandum of Understanding, the Program produces educational materials and conducts training. Each quarter, the Pesticide Safety Education Program reports its activities to the Pesticide Advisory Committee (PAC), and provides a final report to MDA at the end of the fiscal year. This report includes a summary of program accomplishments – based on the major points in the Memorandum of Understanding – for the 2006-2007 fiscal year.

During the 2006-2007 MSUE Pesticide Safety Education Program accomplished the following:

Develop and revise applicator training manuals, and provide exam questions.

### Manuals Completed:

- National Pesticide Applicator Certification Core manual. A printed version of the manual was mailed out to the states in November of 2006. The manual is published by NASDA (National Association of State Departments of Agriculture). About half of the states plan to use the manual to educate and certify applicators. Carolyn Randall, PSEP Coordinator, is the main writer on the manual.

### Manuals in progress:

- Microbial Pest Management, E2435. Industry representatives reviewed and approved of the manual. Carolyn completed work on the draft and Susan Risley is assisting with layout and design.
- Eric Jenkins returned for the summer to continue working on the Category 3A manual, Turfgrass Pest Management. There is now a draft of all 9 chapters.
- The Michigan Commercial Applicator Supplement to the National Pesticide Applicator Certification Core Manual has been completed and sent to the designer. A draft of the Michigan Private Applicator Supplement is in progress. Carolyn Randall added a chapter on private applicator equipment and calibration with the help of Bob Wolf, agricultural engineer from Kansas State University and Robert Wilkinson, Professor Emeritus from MSU. The new core manuals will have new Extension bulletin numbers—E3007 for the private core and E3008 for the commercial core.

Monitor and maintain stocks of bulletins in the MSU system

MSU PSEP monitors manual stocks and arranges for reprinting of current bulletins as needed. Often this provides an opportunity to make minor corrections and changes. In FY 2006-2007, the following bulletins were reprinted with minor or no revision:

- Category 5B, Microbial Pest Management, E-2435: 125 copies reprinted due to low inventory.
- Category 3A, Ornamental Pest Management, E-2291: 1,500 copies reprinted due to low inventory.
- Category 6, Right-of-Way Pest Management, E-2043: 2,000 copies were reprinted due to low inventory.
- Three-panel brochure, Questions and Answers about Bedbugs, E2971: 10,000 copies were reprinted due to low inventory. Five-thousand copies were put into the bulletin system and another 5,000 were delivered to PSEP.

Develop other pesticide-related materials as requested and needed.

- E2946 Poison Ivy (new, November 2006) was developed with the assistance of Carolyn Randall. Copies are now available through the MSU Bulletin System.
- AM037 Pesticide Emergency Information, (November 2006) was revised by Carolyn Randall and 500 copies printed.
- E2814, Molds in the Home: What should you do? (major revision, October 2006) was revised and reprinted. One-thousand copies went into the MSU Extension bulletin system and 4,000 were delivered to the PSEP office.
- E2976, Questions and Answers about Head Lice (new, December 2006) was developed by Carolyn Randall with assistance from MDA. Six-thousand copies were printed (1,500 went into the bulletin system and the rest were delivered to the PSEP office).
- The PSEP Business Plan was completed and distributed to interested parties.
- John Stone and Carolyn Randall developed brochures and post-cards advertising training programs in commercial/private core and 3A turfgrass/3B ornamentals offered by MSU PSEP.
- A new core curriculum was created for the National Pesticide Applicator Certification Core Manual based on slides developed at Washington State University. A Michigan focus was added to the slides and posted on a hidden URL by Susan Risley [www.pested.msu.edu/corepp.html](http://www.pested.msu.edu/corepp.html).
- An issue of the Pesticide Notes newsletter dated June – December, 2006 was posted on the website (9 pages). It can be downloaded from the web site at <http://www.pested.msu.edu/Resources/PesticideNotes/index.html>. The feature article is “New Core Manual on the Way.”
- A new 3-panel brochure, Questions and Answers about Fleas (E-2986), was developed by Carolyn Randall with the help of MDA staff and Mark Sheperdigian of Rose Pest Control. Six-thousand copies were printed: 1,500 copies went in to the bulletin system and 4,500 were delivered to MSU PSEP.

- Carolyn assisted ANR Communications in production of the Spanish version of the Poison Ivy publication (E-2946SP). Carolyn arranged for Luis Donado, instructor in MSU's Department of Spanish and Portuguese to do the translation and assisted with editing the new publication. The bulletin can be obtained through the MSU Bulletin Distribution Center.

- A Project GREEN grant proposal, Spanish Translation of Michigan Core Manual Supplements, was submitted in January and awarded in April of 2007. Carolyn Randall is the P.I. on the grant for \$3,800. The grant is being used to pay Luis Donado, instructor at MSU in the Department of Spanish and Portuguese, to translate the Michigan core manual supplements (commercial and private) into Spanish. As part of the grant request, Mr. Donado will also translate the questions on the certification core exam into Spanish. The grant will expire on June 30, 2008.

- Three grant applications were submitted in May to MSU Extension's Program Development Funds. The purpose of these funds is to stimulate growth of new Extension programs. The grant applications submitted were Comprehensive Core Training Programs, C. Randall, L. Swain, and J. Stone; Establishment of an IPM Academy, C. Randall and L. Swain; Development of Spanish Language Pesticide Applicator Training Materials, C. Randall, J. Marinez, A. Escobar, and B. Lopez-Ariza. Each grant application requested the maximum amount—\$10,000. Two of the three grants were awarded. Establishment of an IPM Academy was awarded at \$5,000 and Development of Spanish Language Pesticide Applicator Training Materials was awarded at \$9,000. The grants start October 1, 2007 and ends September 30, 2008.

- Carolyn Randall and Sue Risley of MSU PSEP and Larry Swain of MDA put together fifty 43-page workbooks for the Comprehensive Core Seminar held on June 13.

- Carolyn Randall from MSUE, Larry Swain from MDA, and Tim Gibb from Purdue Dept. of Entomology prepared a proposal to EPA Region 5's Urban IPM Project Grant Request entitled Establishment of a Region 5 IPM Academy. The total grant request was for \$142,000 over 2 years. The proposal did not receive funding. However, it was ranked as number 2 out of 9 proposals submitted.

- Pesticide Emergency Information, Extension Bulletin AM037, was revised (November, 2007). Five-hundred copies were printed and placed into the bulletin system.

- The Spanish version of Pesticide Emergency Information, Extension Bulletin AM037SP, was updated with the help of Luis Donado from MSU. Two-hundred and fifty copies were printed and placed into the bulletin system.

- Website: New training seminars and publications are continually being posted on the website, [www.pested.msu.edu](http://www.pested.msu.edu).

Host in-service programs and participate in other programs and events as needed.

- The 2006 Michigan Agricultural Aviation Association (MAAA) Conference was held October 18-19 at the University Club in East Lansing. Carolyn Randall invited the speakers, made travel and lodging

arrangements for out-of-town speakers, and moderated the program. An additional 4 hours of programming was added this year, making it a 12-hour instead of an 8-hour two-day program.

On October 18, Polly Kapala from MDA gave the enforcement update. FAA representatives were also present at the meeting to give their updates—Tim Phillips and Dan Allison from Grand Rapids FSDO, and Carol Callan, Glen Shaw, and Norm Moore from the Detroit FSDO. Dr. Brian Hughes from MDA presented the label review exercise. The featured speaker this year was Dr. Dan Martin, research engineer from the USDA's Aerial Application Technology Research Project in College Station, Texas. Other speakers included Lt. Col Ross Dickinson from Selfridge Air National Guard who spoke on flight safety rules and Dr. Allen Krizek from MSU Extension and Susan Parker from MDEQ who presented a facility planning workshop. Dr. Christophe Benning from MSU Department of Biochemistry spoke on new biodiesel crops.

On October 19, Robert Feerst from Utility/Aviation Specialist gave a 3-hour program entitled "Flying in a Wire Environment" which was followed by the 4-hour PAASS (Professional Aerial Applicators Support System) program. This year's PAASS program presenters were Harley Curless and Jeff Tidwell. Participants were very pleased with the program on both days as indicated by the returned evaluation forms. A program agenda is attached (see Attachment 1).

- MSU PSEP sponsored "The Core and Common Sense" on December 11 in Macomb County. John Stone (MSU PSEP) and Hannah Stevens (Horticultural Agent, Macomb County) presented the 4-hour course. The registration and fees were handled by the Macomb County office. MSU PSEP received no funding for this program. The registration fee was \$15 and about 60 people attended.

- "Turfgrass and Ornamental Update," was held December 12 in Big Rapids and was set up with the help of Mecosta County Agent, Tom Rorabaugh. John Stone taught the 4-hour course. The \$30 registration fee was received by MSU PSEP. Twelve (12) people attended.

- John Stone was the trainer for the Core category training at the Great Lakes Trade Exposition on January 9-10. Carolyn also attended the Great Lakes Trade Exposition and assisted MDA with recertification bubble sheets.

- John Stone and Carolyn Randall planned 10 pesticide applicator training seminars. Five sessions were Core and the other five were combined 3A turfgrass/3B ornamental training. The sessions were 4-hours long with a break for lunch. The first Core and 3A/3B classes were offered in Traverse City on February 1 and 2 with 17 people in attendance, followed by Flint (February 20 and 21; ~40 attendees), Novi (February 28 and March 1; 11 attendees); East Lansing (March 8 and 9; 36 attendees); and Grand Rapids (March 13 and 14; 17 attendees). The East Lansing courses were offered at the MSU Kellogg Center as part of ANR week. Many attendees at these courses were MSU employees—grounds crew and also from the golf course. A budget analysis of the courses is attached (see Attachment 2).

- The Pesticide Education and Regulatory Update In-service was offered during ANR week at the Kellogg Center on March 7. This in-service program was last offered in 2002. Twenty-seven (27) Extension agents and MDA staff were in attendance. An agenda is attached (see Attachment 3).

- A day-long “Comprehensive Core Training” seminar was presented at the MSU Pavilion on June 13. Larry Swain of MDA, John Stone from MSU PSEP, and Fred Whitford from Purdue Pesticide Programs were the instructors. The program was designed for already certified applicators wanting to renew all of their core credits in one day. At the end of the seminar a 20-question exam was given. Forty-one applicators took the exam with a mean score of 83 percent. Out of the 41, there were five non-passing scores (below 70 percent). The program was well received by the participants as indicated by the evaluation forms. An agenda and budget analysis of the seminar is attached (see Attachments 4 and 5).

- Carolyn Randall assisted MDA with acquiring materials to distribute at the Earth Day event at Constitution Hall including the printing of 2,000 copies of the EPA publication Dusty the Asthma Goldfish. She also escorted 1st graders from St. Martha School in Okemos to the event.

- Two day-long “Comprehensive Core Training” seminars were presented in the Upper Peninsula. The first session was offered in Dafer, Michigan with 10 people attending and the second session was offered in Escanaba, Michigan with 19 people attending. The seminars were set up with the help of Jim Isleib, Roberta Dow, and Warren Schauer of MSU Extension. Sheryl Goodreau, MSU PSEP temporary labor employee, helped with mailing out brochures and arranging the seminars. Larry Swain of MDA and Sheryl Goodreau audited the session in Dafer and Larry Swain also participated in the training. Eric McCumber from MDA helped with the training at the second session in Escanaba. The \$75 registration fee for the seminars will be split with the county office receiving one-third and MSU PSEP receiving two-thirds. Ten percent will be paid to support Extension’s PCR fund. MSU PSEP reimbursed Extension agents for their travel costs. An agenda and budget analysis are attached (See Attachments 6 and 7).

Serve on university, state, and national committees, and attend conferences, related to pesticide issues.

- The Michigan Core Manual Committee met on November 17 at the Turfgrass Research Center, MSU Campus. Participants on the committee included Carolyn Randall, MSU PSEP Coordinator, Larry Swain from MDA, Amy Frankmann from MNLA, Diane Andrews from MGIA, Ben Hamza from TrueGreen, Bob England from MPCA, Michael O’Connor from Consumers Energy, and Dean Krauskopf from MSU Extension. The committee reviewed the Michigan Laws draft written by Carolyn and suggested changes. The committee decided that two addendums should be produced to add to the national core manual—a Michigan commercial core manual addendum and a Michigan private core manual addendum. This national core manual will be shrink-wrapped together with one of the two addendums and sold as either the Michigan commercial core manual or the Michigan private core manual. The price per manual will be increased by \$10 to be directed to the PSEP program

- The MAAA Planning Committee met March 22 to plan the annual MAAA Educational Session to be held at the University Club in East Lansing on October 17 and 18, 2007. It will again be a 12-hour, 2-day program. The PAASS program will be offered again this year, MDA and FAA updates, and other programs.

- Carolyn attended the EPA Region 5 Pre-SFIREG meeting on May 14 and 15. Topics included EPA’s new container and containment rule, budget and discretionary proposals, Enforcement Updates, etc.

· Carolyn Randall attended the North American Pesticide Applicator Certification and Safety Education Workshop in Portland, Maine August 20 to August 24. Carolyn set up a display table of MSU PSEP materials at the conference. Topics presented include “How Can We Successfully Protect The Sprayer Operator?” by Andrew Landers of Cornell; “Anything But a Standup Lecture,” by Fred Whitford of Purdue; “Fluorescent Tracer Manual: An Educational Tool for Pesticide Safety Educators” by Kit Galvin of the University of Washington; “Test Item Analysis: When are Statistics A Good Thing” by Andrew Martin of Purdue among others.

Website ([www.pested.msu.edu](http://www.pested.msu.edu))

There was a total of 25,862 requests to the PSEP website in FY 2006-2007. Most of the requests were from commercial (13,192; 52%), followed by network (8,612; 33%), unresolved (2,097; 8%), International (1,634; 6%) and other (327; 1%). (See Figure 1)

During the fiscal year there were 6,239 requests the first quarter (October to December 2006); 4,099 requests in the second quarter (January to March, 2007), 5,488 requests the third quarter, and 10,036 requests the fourth quarter (July to September, 2007). (See Figure 2).

The top ten download pdf's are presented to determine which documents clients find the most useful. The ten most popular downloaded items were all or a part of:

E2048, General Pest Management (3,390).

E2047 Wood-destroying Pests (768).

E2195SP, Spanish version Pesticide Applicator Core Training Manual, (488)

E2050, Vertebrate Pest Management, (392).

E2621, Swimming Pool Pest Management, (373).

E2195, Pesticide Applicator Core Training Manual, (241).

E2055, Regulatory Pest Management, (236).

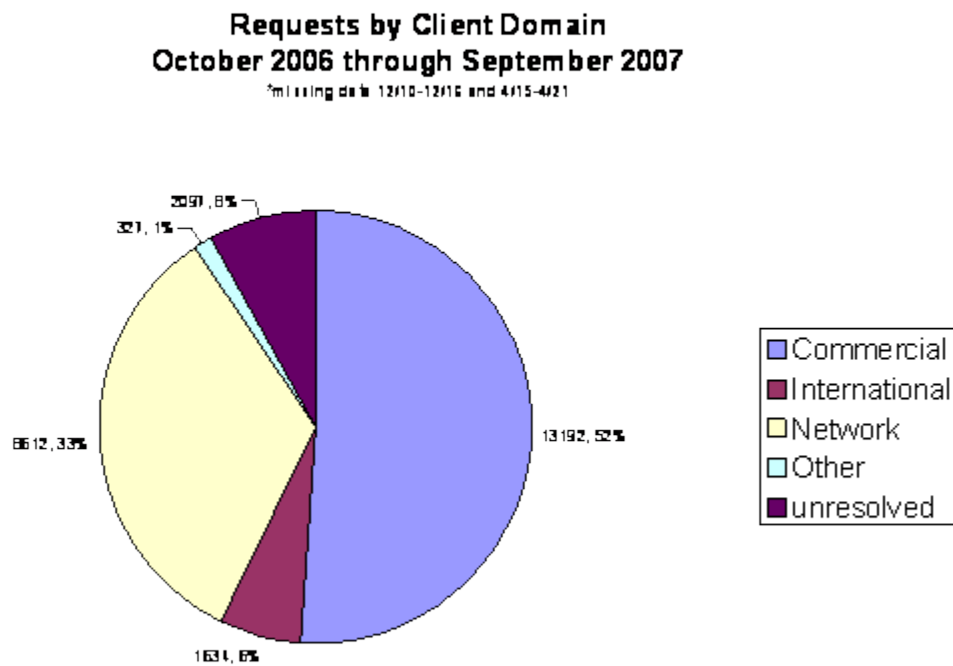
E2601, Livestock Pest Management (234).

E2492, Small Animal Pest Management (167).

E2891, Fruit Crops Pest Management (119).

(See Figure 3.)

There were 1,634 (6%) international requests from 51 countries. Most international hits came from Malaysia (395), followed by Mexico (296), Canada (185), and Australia (115). (See Figure 4.)



**Figure 1. Requests by client Domain**

### Requests by Quarter for Fiscal Year 2006-2007

\*missing data 12/12-12/16 and 4/15-4/21

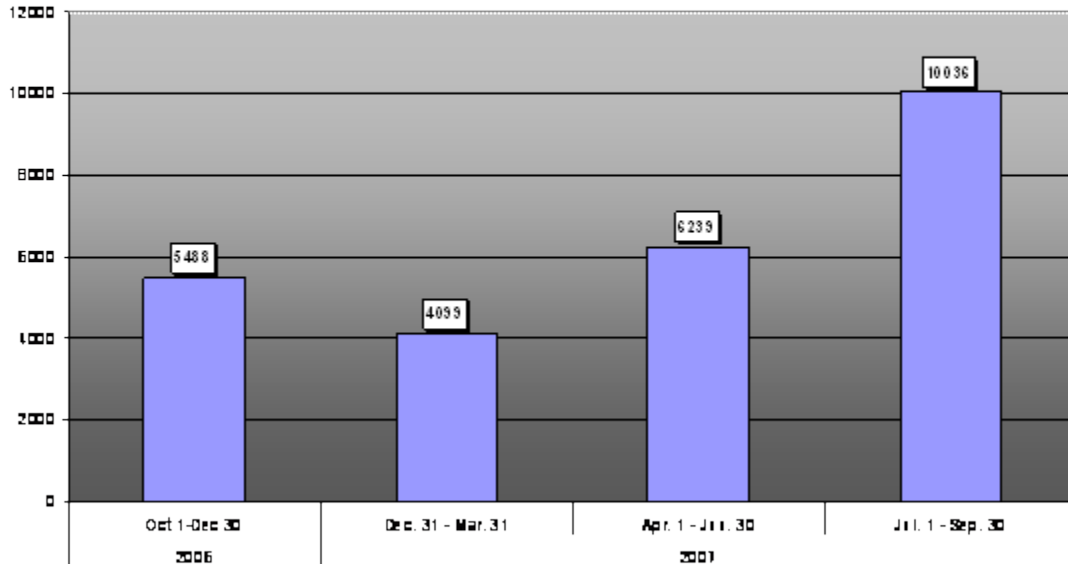


Figure 2. Requests by quarter for Fiscal Year 2006-2007.

### Top Ten URL PDF Downloads October 2006 thru September 2007

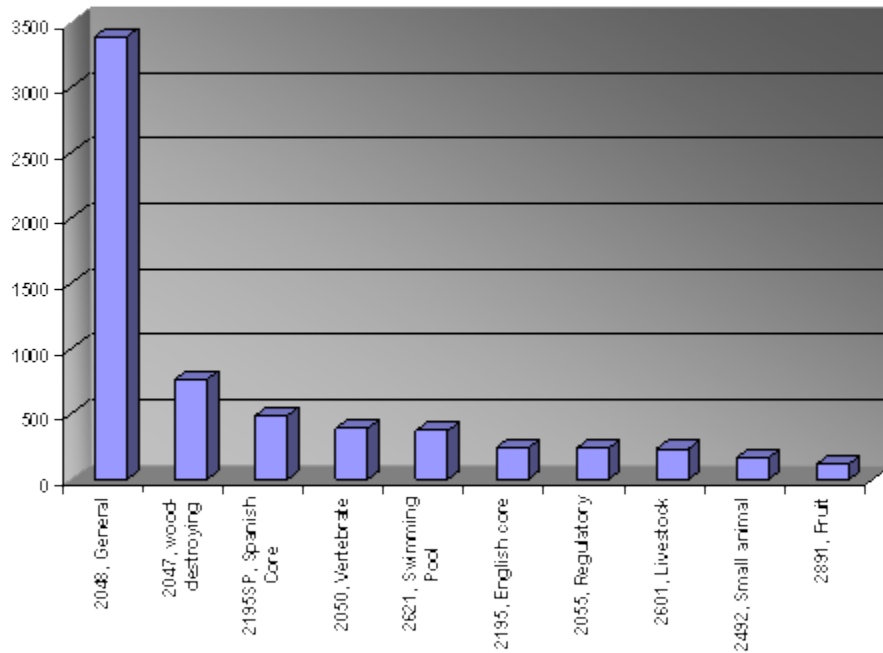


Figure 3. Top ten pdf downloads.

Figure



- 12:00 - 1:00**      **LUNCH**
- 1:00 – 2:00**      **USDA Aerial Application Research** – Dr. Dan Martin, USDA
- 2:00 – 2:30**      **Flight Safety Rules** – Lt. Col. Ross Dickinson, Chief of Safety,  
Selfridge Air National Guard.
- 2:30 – 2:45**      **BREAK**
- 2:45 – 3:45**      **Facility Planning Workshop** – Dr. Allen Krizek, MSU Extension;  
Susan Parker, Michigan Dept. of Environmental Quality
- 3:45 – 4:15**      **New Biodiesel Crops** – Dr. Christophe Benning, Department of  
Biochemistry and Molecular Biology, MSU
- 4:15 – 4:30**      **Recertification Credits and Evaluatio**

**Thursday, October 19, 2006**

- 8:00 – 9:45**      **Flying in a Wire Environment** – Robert Feerst, Utility/Aviation  
Specialists, Inc.
- 9:45 – 10:00**      **BREAK**
- 10:00 – 11:00**      **Flying in a Wire Environment Cont'd**

**11:00 – 12:00 Professional Aerial Applicators Support System (PAASS) Program**  
 – Harley Curless and Jeff Tidwell

*Agricultural Aviation’s Airfield Watch Program - Ag Airfield Watch*

*Human Factors in Ag Aviation - Preventing Aircraft Structural Failures*

*Spray Drift Reduction - Speaking and Understanding Label Language*

*Hangar AG Flying - Topics of Interest to Ag Aviators*

**12 Noon - 1:00 LUNCH**

**1:00 – 4:00 PAASS Cont’d (break scheduled by PAASS presenters)**

**4:00 – 4:15 Recertification Credits and Evaluations**

**2007 Core and Category 3A/3B Pesticide Applicator Training Seminars Budget**

<b>Deposits*</b>		
Mecosta County 3a/3b Training, Dec 12, 2006 11 attendees at \$30; 2 attendees at \$28.30	386.60	
Traverse City, Core & 3a/3b, Feb. 1 & 2, 2007 11 attendees for 2 days @ \$70.76; 6 for 1 day @ \$42.45	1033.06	
Novi, Core & 3a/3b, February 28 & March 1 11 attendees for 2 days @ \$70.76	778.36	
East Lansing, Core & 3a/3b, March 8 & 9, 2007 25 attendees for 2 days (17 @ \$80, 8 @ 75.47); 9 attendees for 1 day(2 @ \$60, 7 @ \$56.60)	2479.96	
Grand Rapids, Core & 3a/3b, March 13 & 14 18 attendees for 2 days @ \$70.76, 2 for 1 day @ \$42.45	1358.58	
<b>TOTAL DEPOSITS</b>	<b>\$6,036.56</b>	<b>\$6,036.56</b>
*Six percent sales tax was deducted from the registration fee except if the the registrant was from a school or university.		

**Expenditures****Meals (2 days)**

Mecosta County (coffee and donuts only)	11.65	
Traverse City, Northwestern Michigan College	326.00	
Novi, Tollgate Center	415.50	
East Lansing, Kellogg Center	1,082.90	
Grand Rapids, Alpine Center Community Room	318.36	
<b>Total Meals</b>	<u>\$2,154.41</u>	-2,154.41

**Room Charges**

Mecosta County Extension, Big Rapids, MI	0.00	
Traverse City, Northwestern Michigan College	198.00	
Novi, Tollgate Center	450.00	
East Lansing, Kellogg Center	0.00	
Grand Rapids, Alpine Center Community Room	0.00	
<b>Total Room Charges</b>	<u>\$648.00</u>	-648.00

**Promotional**

Brochures (1,000) + Postcards (240)	296.71	
Postage	418.80	
<b>Total Promotional</b>	<u>\$715.51</u>	-715.51

**Personnel**

John Stone (100%-teaching, developing curriculum, promoting)	2,891.84	
John Stone Travel (In-state)	550.47	
Sue Risley (~20 hours, mailing, printing, evaluations)	250.00	
Carolyn Randall (~80 hours, web site, arranging, promoting)	2,300.00	
<b>Total Personnel</b>	<u>\$5,992.31</u>	-5,992.31

**PCR (minus 10% of gross)**

	\$603.66	<u>-603.66</u>	
<b>TOTAL EXPENDITURES</b>		-10,113.89	-10,113.89
<b>NET LOSS</b>			<b>-\$4,077.33</b>

**Pesticide Education and Regulatory Update  
March 7, 2007  
Room 101 Kellogg Ctr.  
Michigan State University**

**AGENDA**

- 9:30 – 10:00**      **Registration**
- 10:00 – 10:05**      **Welcome**  
  
Carolyn Randall, MSU PSEP Coordinator
- 10:05 – 10:35**      **Bioeconomy Challenges and Industries for the Future**  
  
Bill Knudson, Agricultural Economics Department Michigan State University
- 10:35 – 11:05**      **Regulation 637 Update**  
  
Brian Rowe, Pesticide Section Manager  
  
Michigan Department of Agriculture
- 11:05 – 11:35**      **MSU Nutrient Management Program (MSUNM)**  
  
Bruce MacKellar, MSU Extension
- 11:35 – 12:05**      **Certification Update**  
  
Larry Swain, Certification Manager  
  
Michigan Dept. of Agriculture
- 12:05 – 12:50**      **Lunch**
- 12:50 – 1:20**      **Enforcement Update**  
  
Brian Rowe, Pesticide Section Manager  
  
Michigan Department of Agriculture

**1:20 – 2:00**

**Emerald Ash Borer Update**

Gary King, EAB Deputy Director

Michigan Department of Agriculture

**2:00 – 3:00**

**Invasive Pests Survey and Update**

Mike Phillip, Pest Survey Program Manager, and Robin Rosenbaum, Plant Industry Section Manager Michigan Department of Agriculture

**3:00 – 3:15**

**Evaluations and Bubble sheets**

# **COMPREHENSIVE CORE TRAINING**

**Pavilion for Agriculture and Livestock Education**

**Michigan State University**

**8:30 a.m. – 4:30 p.m.**

**June 13, 2007**

## **Agenda**

- |                      |   |
|----------------------|---|
| <b>8:30 - 8:40</b>   | <b>Welcome and Introductions</b><br><br>Larry Swain, MDA and Carolyn Randall, MSU Extension |
| <b>8:40 - 8:45</b>   | <b>New Core Curriculum</b><br><br>Carolyn Randall, MSU Extension                            |
| <b>8:45 - 9:00</b>   | <b>Pest Management</b><br><br>Larry Swain, MDA  |
| <b>9:00 - 9:45</b>   | <b>Federal and State Laws</b><br><br>Larry Swain, MDA                                       |
| <b>9:45 - 10:00</b>  | <b>BREAK</b>  |
| <b>10:00 - 10:30</b> | <b>Pesticide Labels</b><br><br>Larry Swain, MDA   |
| <b>10:00 - 11:45</b> | <b>Pesticide Formulations</b><br><br>John Stone, MSUE                                       |
| <b>11:45 - 12:45</b> | <b>LUNCH</b>  |
| <b>12:45 - 1:30</b>  | <b>Pesticide Hazards, Transportation, Storage and Security</b>                              |

John Stone, MSUE

**1:30 - 2:30 Personal Protective Equipment (PPE)**

Fred Whitford, Purdue University

**2:30 - 2:45 BREAK**

**2:45 - 3:30 Drift Management and Spill Response**

Fred Whitford, Purdue University

**3:30 - 4:00 Managing Excess Pesticides**

Fred Whitford, Purdue University

**4:00 - 4:30 Professional Conduct**

Fred Whitford, Purdue University

**2007 Comprehensive Core Training -- East Lansing, June 13  
Budget Sheet**

<b>Deposits</b>	
Comprehensive Core Training	
*33 attendees at \$70.76; 12 attendees at \$75	3,235.08
<b>TOTAL DEPOSITS</b>	<b>\$3,235.08</b>
*Six percent sales tax was deducted from the registration fee except if the registrant was from a school or university.	

\$3,235.08

**Expenditures**

**Catering**

MSU Concessions 389.40

**Total Meals** \$389.40 -389.40

**Room Charges**

MSU Pavilion for Agriculture and Livestock Education 0.00

**Total Room Charges** \$0.00 0.00

**Promotional**

Brochures (500) 480.00  
Postage 205.00  
Workbooks 108.00

	<b>Total Promotional</b>	\$793.00	-793.00
<b>Travel</b>			
Fred Whitford (guest speaker)		<u>336.92</u>	
	<b>Total Travel</b>	336.92	-336.92
<b>Personnel</b>			
John Stone (20 hours, teaching, developing curriculum)		409.07	
Sherry Goodreau (~8 hours assist at meeting)		111.96	
Sue Risley (~40 hours, brochures, workbooks, assist at mtng)		559.78	
Carolyn Randall (~40 hours, web site, promoting, workbooks)		<u>1,449.00</u>	
	<b>Total Personnel</b>	\$2,529.81	-2,529.81
<b>PCR (minus 10% of gross)</b>		\$323.50	<u>-323.50</u>
	<b>TOTAL EXPENDITURES</b>		-4,372.63 <u>-4,372.63</u>
			<b>NET LOSS</b>
			<b>-\$1,137.55</b>

## U.P. Core Training Seminar

- 8:30 am Welcome and Introductions-----Isleib or Schauer (10min)
- 8:40 New Core Curriculum-----Dave White or Eric McCumber
- 8:45 IPM-----Schauer  
*(You've got a pest problem, you want control, always consider your options)*
- 9:15 Federal and State Laws, Certification & Record Keeping-----McCumber/White  
*(You're using pesticides, here's what you need to do)*
- 10:00 Pesticides and the Environment-----Isleib  
*(You've selected pesticides as part of your control plan so now here's some considerations)*
- 10:30 Break
- 10:45 Making a Drift Management Plan-----White/McCumber/Wendrick/Perreault  
*(Consider drift)*
- 11:15 Groundwater & Surface Water Protection-----Dow  
*(Further considerations)*
- 12:00 Transportation of Pesticides-----Schauer/McCumber/Volunteer
- 12:30 Lunch
- 1:15 Pesticide Formulations-----Schauer
- 1:45 Reading the Label-----Dow
- 2:45 Personal Protective Equipment-----Isleib/Volunteer
- 3:15 Break

3:30 Emergency Response-----E.R.  
Coordinator/Isleib

4:00 Take Exam, Fill Out Evaluation, & Do Bubble Sheet-----Schauer/Isleib/Dow

4:30 Adjourn

**2007 Comprehensive Core Training--Upper Peninsula Sept. 19 & Sept. 25  
Budget Sheet**

<b>Deposits</b>			
Comprehensive Core Training			
*Dafter, MI, 10 attendees at \$70.76		707.6	
*Escanaba, MI, 9 attendees at \$70.76; 10 attendees @ 75.00		1,386.84	
	<b>TOTAL DEPOSITS</b>	\$2,094.44	\$2,094.44
*Six percent sales tax was deducted from the registration fee except if the the registrant was from a school or university.			

**Expenditures**

**Catering**

\$32 for refreshments in Dafter paid by Alger Co. Extension		0.00	
\$106 for refreshments in Escanaba paid by Alger Co. Ext.		0.00	
	<b>Total Meals</b>	\$0.00	0.00

**Room Charges**

Bruce Township Hall, Dafter, MI		0.00	
Bay College, Bays Room 952, Escanaba, MI		0.00	
	<b>Total Room Charges</b>	\$0.00	0.00

**Promotional**

Brochures (500)		130.00	
Postage		205.00	
	<b>Total Promotional</b>	\$335.00	-335.00

**Travel**

Jim Isleib, MSU Extension		\$108.97	
Warren Schauer, MSU Extension		236.82	
Sheryl Goodreau, MSU Extension		156.83	
	<b>Total Travel</b>	\$502.62	-\$502.62

**Personnel**

Sheryl Goodreau (~30 hours, brochures, arranging, attnd mtg)	419.84	
Carolyn Randall (~4 hours, web site, promote)	144.90	
<b>Total Personnel</b>	<u>\$564.74</u>	-564.74

<b>PCR (minus 10% of gross)</b>	\$209.44	-209.44
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**Payment to Third Party (Alger County Extension)**

One Third (\$698) - 10 percent PCR	\$628	-\$628
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<b>TOTAL EXPENDITURES</b>	-2,239.80	<u>-2,239.80</u>
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<b>NET LOSS</b>	<b>-\$145.36</b>
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