

ANR Retreat

12/2/2016

Digital Measures & Impact Reporting Workshop

This is a collection of existing documents from ANR programs. They provide EXAMPLES of how program evaluation, data summary and DM reporting are being done.

These actions are shown in the documents.

1. Collecting data via Program evaluations
2. Analyzing data via summaries
3. Coordinating DM reporting for teams
4. Impact statements

Examples are provided from these projects:

- Crop Management Workshop – pages 2-10
- Pinney Field Day – pages 11-17
- Succession Planning – pages 18-22
- Cover Crops/Soil Health – pages 23-32
- On-Farm Food Safety for Direct Marketers – pages 33-35
- Davis Field Day – pages 36-38
- Venison Workshop Series - pages 39-41

Turning Results by Question

Session Name: CMWmerge_2016

Created: 2/1/2016 4:38 PM

**1.) Becovitz: I will use information from this presentation in my/the company's practices for 2016
(multiple choice)**

	Responses	
	(percent)	(count)
Strongly Agree	38.65%	298
Agree	56.94%	439
Disagree	2.46%	19
Strongly Disagree	1.95%	15
Totals	100%	771

**2.) Becovitz: I will share information from this presentation with colleagues and/or customers in 2016
(multiple choice)**

	Responses	
	(percent)	(count)
Strongly Agree	23.48%	181
Agree	69%	532
Disagree	3.89%	30
Strongly Disagree	3.63%	28
Totals	100%	771

3.) Becovitz: Because of Joe's CMW talk last year, I/my company registered and/or referenced DriftWatch to protect neighboring specialty crop fields in 2015 (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	6.14%	47
Agree	24.15%	185
Disagree	16.19%	124
Strongly Disagree	4.18%	32
Doesn't apply to me	16.58%	127
I did NOT attend last year's CMW	32.77%	251
Totals	100%	766

**4.) Weeds: I will use information from this presentation in my/the company's practices for 2016
(multiple choice)**

	Responses	
	(percent)	(count)
Strongly Agree	39.85%	312
Agree	56.96%	446
Disagree	1.92%	15
Strongly Disagree	1.28%	10
Totals	100%	783

**5.) Weeds: I will share information from this presentation with colleagues and/or customers in 2016
(multiple choice)**

Responses

	(percent)	(count)
Strongly Agree	29.86%	238
Agree	63.86%	509
Disagree	4.14%	33
Strongly Disagree	2.13%	17
Totals	100%	797

6.) Weeds: Because of Bill/Travis's emphasis of using herbicides with multiple sites of action last year, I used/recommended soybean residual herbicides to effectively manage weeds while mitigating further/future herbicide resistance (multiple choice)

	Responses (percent) (count)	
Strongly Agree	19.78%	160
Agree	38.20%	309
Disagree	2.84%	23
Strongly Disagree	2.10%	17
Doesn't apply to me	12.61%	102
I did NOT attend last year's CMW	24.47%	198
Totals	100%	809

7.) Camberato: I will use information from this presentation in my/the company's practices for 2016 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	21%	159
Agree	64.46%	488
Disagree	9.11%	69
Strongly Disagree	5.42%	41
Totals	100%	757

8.) Camberato: I will share information from this presentation with colleagues and/or customers in 2016 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	14.16%	112
Agree	68.39%	541
Disagree	12.26%	97
Strongly Disagree	5.18%	41
Totals	100%	791

9.) Camberato: Because of Jim's presentation last year on optimum nutrient rates, I was able to use/recommend fertilizer rates that benefited my farm/customers (multiple choice)

	Responses (percent) (count)	
Strongly Agree	4.39%	35
Agree	32.50%	259
Disagree	7.78%	62
Strongly Disagree	5.77%	46
Doesn't apply to me	14.81%	118

I did NOT attend last year's CMW

	34.76%	277
Totals	100%	797

10.) Diseases: I will use information from this presentation in my/the company's practices for 2016 (multiple choice)

Strongly Agree
Agree
Disagree
Strongly Disagree

	Responses (percent) (count)	
	26.36%	209
	66.33%	526
	4.67%	37
	2.65%	21
Totals	100%	793

11.) Diseases: I will share information from this presentation with colleagues and/or customers in 2016 (multiple choice)

Strongly Agree
Agree
Disagree
Strongly Disagree

	Responses (percent) (count)	
	20.74%	169
	69.57%	567
	6.38%	52
	3.31%	27
Totals	100%	815

12.) Diseases: Because of Kiersten's talk last year on seed treatments for SDS, I was able to better choose/recommend where the product would likely perform (multiple choice)

Strongly Agree
Agree
Disagree
Strongly Disagree
Doesn't apply to me
I did NOT attend last year's CMW

	Responses (percent) (count)	
	6.86%	55
	30.80%	247
	7.36%	59
	2.37%	19
	16.83%	135
	35.79%	287
Totals	100%	802

13.) Concerning Certification Points: (multiple choice)

I am here only for the points
Points brought me, but information presented is useful
Points not as important to me as content of meeting

	Responses (percent) (count)	
	16.64%	104
	65.12%	407
	18.24%	114
Totals	100%	625

14.) What best describes your occupation: (multiple choice)

Own/manage fertilizer facility
Applicator
Company agronomist

	Responses (percent) (count)	
	13.57%	97
	27.41%	196
	5.31%	38

Product support/sales	8.81%	63
Producer	11.47%	82
Farm management	5.45%	39
Crop consultant	5.45%	39
University/government	9.23%	66
Other	13.29%	95
Totals	100%	715

15.) I make/influence pest management decisions on approximately ___ acres: (multiple choice)

	Responses (percent) (count)	
0	21.29%	155
1-999	16.90%	123
1,000-4,999	15.52%	113
5,000-9,999	9.07%	66
10,000-25,000	14.97%	109
25,000+	22.25%	162
Totals	100%	728

16.) How often did you/your company scout for pests (e.g., weeds, insects, diseases) in fields you managed last season? (multiple choice)

	Responses (percent) (count)	
Most fields, 2-3 times/month	28.67%	209
Most fields, 1 time/month	15.09%	110
Some fields, 2-3 times/month	18.38%	134
Some fields, 1 time/month	7.13%	52
Only when requested	12.21%	89
Doesn't apply to me	18.52%	135
Totals	100%	729

17.) The Pest&Crop newsletter is my main source of in-season pest management/crop production information (multiple choice)

	Responses (percent) (count)	
Strongly Agree	9.81%	73
Agree	34.68%	258
Disagree	13.71%	102
Strongly Disagree	3.36%	25
I don't access it	38.44%	286
Totals	100%	744

18.) Insects: I will use information from this presentation in my/the company's practices for 2016 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	18.49%	135
Agree	65.21%	476
Disagree	10%	73
Strongly Disagree	6.30%	46
Totals	100%	730

19.) Insects: I will share information from this presentation with colleagues and/or customers in 2016 (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	15.28%	119
Agree	66.62%	519
Disagree	11.04%	86
Strongly Disagree	7.06%	55
Totals	100%	779

20.) Insects: Christian’s presentation last year on corn and soybean insecticidal seed treatments and their efficacy led me to re-evaluate whether these approaches are necessary in my/the company’s pest management plan (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	4.97%	39
Agree	27.68%	217
Disagree	9.31%	73
Strongly Disagree	5.10%	40
Doesn’t apply to me	15.69%	123
I did NOT attend last year’s CMW	37.24%	292
Totals	100%	784

21.) Casteel: I will use information from this presentation in my/the company’s practices for 2016 (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	31.56%	243
Agree	59.87%	461
Disagree	4.81%	37
Strongly Disagree	3.77%	29
Totals	100%	770

22.) Casteel: I will share information from this presentation with colleagues and/or customers in 2016 (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	25.16%	198
Agree	65.18%	513
Disagree	5.97%	47
Strongly Disagree	3.68%	29
Totals	100%	787

23.) Casteel: Because of Shaun’s presentation last year on breaking soybean challenges, I implemented/advised proven inputs for my/my client’s soybean crop in 2015 (multiple choice)

Responses	
(percent)	(count)

Strongly Agree	6.61%	52
Agree	32.40%	255
Disagree	5.34%	42
Strongly Disagree	3.05%	24
Doesn't apply to me	14.10%	111
I did NOT attend last year's CMW	38.50%	303
Totals	100%	787

24.) Did you attend last year's CMW? (multiple choice)

	Responses	
	(percent)	(count)
Yes	52.99%	416
No	47.01%	369
Totals	100%	785

25.) I've implemented crop production/IPM strategies in my operation from information presented at past CMWs (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	14.52%	106
Agree	58.49%	427
Disagree	4.66%	34
Strongly Disagree	2.05%	15
I have not attended a CMW before today	20.27%	148
Totals	100%	730

26.) I am in favor of discontinuing the written CMW Proceedings for the online, updated presentations available for download after this week (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	17.44%	120
Agree	42.88%	295
Disagree	17.44%	120
Strongly Disagree	10.03%	69
Doesn't apply to me	12.21%	84
Totals	100%	688

27.) Nielsen: I will use information from this presentation in my/the company's practices for 2016 (multiple choice)

	Responses	
	(percent)	(count)
Strongly Agree	27.55%	205
Agree	65.32%	486
Disagree	4.17%	31
Strongly Disagree	2.96%	22
Totals	100%	744

28.) Nielsen: I will share information from this presentation with colleagues and/or customers in 2016 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	21.99%	168
Agree	69.63%	532
Disagree	5.37%	41
Strongly Disagree	3.01%	23
Totals	100%	764

29.) Nielsen: Because of Bob's presentation last year on challenges of continuous corn, I implemented/advised more appropriate management strategies for continuous corn production in 2015 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	8.14%	63
Agree	33.20%	257
Disagree	4.39%	34
Strongly Disagree	2.71%	21
Doesn't apply to me	14.99%	116
I did NOT attend last year's CMW	36.56%	283
Totals	100%	774

30.) Whitford: I will use information from this presentation in my/the company's practices for 2016 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	45.31%	333
Agree	52.65%	387
Disagree	0.95%	7
Strongly Disagree	1.09%	8
Totals	100%	735

31.) Whitford: I will share information from this presentation with colleagues and/or customers in 2016 (multiple choice)

	Responses (percent) (count)	
Strongly Agree	43.43%	327
Agree	54.58%	411
Disagree	0.93%	7
Strongly Disagree	1.06%	8
Totals	100%	753

32.) Whitford: Because of Fred's talk last year on the pesticide sprayer cleanout process, I/my company took extra steps in 2015 to thoroughly clean the sprayer system (multiple choice)

	Responses (percent) (count)	
Strongly Agree	26.03%	195
Agree	33.51%	251
Disagree	1.07%	8
Strongly Disagree	0.80%	6
Doesn't apply to me	4.67%	35

I did NOT attend last year's CMW

	33.91%	254
Totals	100%	749

33.) Considering costs in dollars and/or time, today's CMW has been worth it for me/my company (multiple choice)

Strongly Agree
Agree
Disagree
Strongly Disagree

	Responses	
	(percent)	(count)
Strongly Agree	32.71%	243
Agree	60.83%	452
Disagree	3.90%	29
Strongly Disagree	2.56%	19
Totals	100%	743

34.) I will apply today's information on pest identification and treatment decisions to next season's crops (multiple choice)

Strongly Agree
Agree
Disagree
Strongly Disagree
Doesn't apply to me

	Responses	
	(percent)	(count)
Strongly Agree	26.47%	189
Agree	65.83%	470
Disagree	1.12%	8
Strongly Disagree	1.68%	12
Doesn't apply to me	4.90%	35
Totals	100%	714

Title: 2015 Crop Management Workshops

Team: John Obermeyer, Joseph Becovitz, Bill Johnson, Travis Legleiter, James Camberato, Kiersten Wise, Christian Krupke, Punya Nachappa, Shaun Casteel, Robert Nielsen, Fred Whitford, Kelly Heckaman, Richard Beckort, Valerie Clingerman, Chuck Mansfield

Purdue Extension Goals:

Issue

Agribusiness personnel including fertilizer and chemical dealers, county Extension Educators, seed and company agronomists and crop consultants, need updated pest and pesticide information throughout the year. These "Pest Managers" must be kept up-to-date on pest populations, outbreaks, and management strategies, as well as pesticide label changes, environmental issues related to pest control, the use and application of pesticides, pesticide safety and principles, etc. Producers rely on agribusiness professionals to identify and inform them of existing or potential pest problems on their farms and to assist with appropriate management tactics and issues related to pesticides. The better informed these agribusiness personnel are, the greater their ability to guide producers toward economically and environmentally sound pest management decisions.

What Has Been Done

The Purdue Pest Management Program coordinates a series of all day winter meetings, Crop Management Workshops, held at various locations throughout Indiana. Extension Specialists representing the Departments of Agronomy, Botany and Plant Pathology, and Entomology from Purdue University and the Office of the Indiana State Chemist present in-depth information on pest management, pesticide regulations, pesticide safety, pesticide application equipment and calibration, and more.

Results

In 2015, 1016 agribusiness personnel attended the Crop Management Workshops. Nearly 40% of the participants indicated that they make or influence pest management decisions on 10,000 or more acres and 46% of the attendees monitored customer fields at least once per month. 89% indicated they would use the information presented for the upcoming growing season while 73% have already implemented crop production/IPM strategies into their operation from ideas that originated at past CMWs. Some of the practices and information discussed at the meetings included the proper identification of pests and their damage, eliminating needless chemical treatments, using the proper timing, most efficacious products, and rates when pesticides are justified, pest trends and anticipated problems for the upcoming season, pest resistance management tactics, and proper selection and use of pesticides. Participants highly rated the educational value of the meetings as the following evaluation values indicate: 92 percent of those attending said they would apply the information on pest identification and treatment decisions to next season's crops and 87% of the participants indicated they would share what they learned with co-workers and/or customers. Concerning their "bottom line," 93% said that it was worth both their time and money to attend the workshop. Of the participants that attended the previous year's Crop Management Workshop, presenters asked a question to determine if their guidelines were followed during the season, and 48% indicated that they had.

Outcomes

None



2016 Pinney Purdue Agriculture Center Field Day Evaluation

Your participation in this survey is completely **voluntary** and **anonymous**. Thank you for your time to help us improve the Pinney-Purdue Field Day. Please complete and return at the lunch line.

1. Please list your **county** and the **number of acres (A.)** of each crop you grow.

County _____ Corn _____ A. Soybeans _____ A. Wheat _____ A.
Alfalfa _____ A. Other: _____ A. Other: _____ A.

2. If you are not a farmer, approximately how many acres do you supervise/treat per year? County _____ Acres _____

Please check the appropriate answer to the following questions as a result of your participation in today's program.

3. I intend to apply information I learned today to increase the profit of my farm operation. (Please circle) Yes Maybe No

4. I intend to apply information I learned today to increase my crop production/yields. (Please circle) Yes Maybe No

5. Please rank the top 3 (1st, 2nd 3rd) sessions that were the most valuable to you today.

_____ Jason Henderson _____ Phil Sutton
_____ Shaun Casteel _____ Kiersten Wise
_____ Jim Camberato/Robert Nielsen _____ Tony Vyn (PM)
_____ Lori Hoagland/Steve Howe _____ Travis Legleiter (PM)

6. How does information provided at the Pinney Purdue Field Day impact the decisions you make in your crop operation?

7. Did you attend the Pinney Purdue Field Day in 2015?
_____ No (If no, you are finished with the survey)
_____ Yes (If yes, please turn the card over and answer the remaining questions)



2016 Pinney Purdue Agriculture Center Field Day Evaluation

Your participation in this survey is completely **voluntary** and **anonymous**. Thank you for your time to help us improve the Pinney-Purdue Field Day. Please complete and return at the lunch line.

1. Please list your **county** and the **number of acres (A.)** of each crop you grow.

County _____ Corn _____ A. Soybeans _____ A. Wheat _____ A.
Alfalfa _____ A. Other: _____ A. Other: _____ A.

2. If you are not a farmer, approximately how many acres do you supervise/treat per year? County _____ Acres _____

Please check the appropriate answer to the following questions as a result of your participation in today's program.

3. I intend to apply information I learned today to increase the profit of my farm operation. (Please circle) Yes Maybe No

4. I intend to apply information I learned today to increase my crop production/yields. (Please circle) Yes Maybe No

5. Please rank the top 3 (1st, 2nd 3rd) sessions that were the most valuable to you today.

_____ Jason Henderson _____ Phil Sutton
_____ Shaun Casteel _____ Kiersten Wise
_____ Jim Camberato/Robert Nielsen _____ Tony Vyn (PM)
_____ Lori Hoagland/Steve Howe _____ Travis Legleiter (PM)

6. How does information provided at the Pinney Purdue Field Day impact the decisions you make in your crop operation?

7. Did you attend the Pinney Purdue Field Day in 2015?
_____ No (If no, you are finished with the survey)
_____ Yes (If yes, please turn the card over and answer the remaining questions)

If you answered yes to Question #7, please answer the following questions. As a reminder to help you remember what we covered last year, the following were the general topics presented at the 2015 Field Day.

(Topics marked "PM" were presented only at the 2015 Field Day twilight session)

Establishing Strong Corn Managing Soybeans in a Wet Season
Drainage Issues and Water Quality How to Properly Clean Out a Sprayer
Update on Crop Disease and Fungicide Issues
Weed Control Issues (PM) Cropping Systems Management (PM)
Late Season N Application in Corn (PM)

8. As a result of attending last year's Field Day, what one new idea or management tool have you already successfully implemented that has had the biggest impact in your crop operation? Please briefly describe.

9. How did this new idea or tool decrease your expenses or increase your income?

10. What was the financial impact (either in total \$ to your operation or \$/Acre) of the new idea or tool on your farm operation?

THANK YOU

For your attendance at the Pinney Purdue Field Day and for filling out this evaluation. Your input will be used to evaluate today's field day and improve future field days.

If you answered yes to Question #7, please answer the following questions. As a reminder to help you remember what we covered last year, the following were the general topics presented at the 2015 Field Day.

(Topics marked "PM" were presented only at the 2015 Field Day twilight session)

Establishing Strong Corn Managing Soybeans in a Wet Season
Drainage Issues and Water Quality How to Properly Clean Out a Sprayer
Update on Crop Disease and Fungicide Issues
Weed Control Issues (PM) Cropping Systems Management (PM)
Late Season N Application in Corn (PM)

8. As a result of attending last year's Field Day, what one new idea or management tool have you already successfully implemented that has had the biggest impact in your crop operation? Please briefly describe.

9. How did this new idea or tool decrease your expenses or increase your income?

10. What was the financial impact (either in total \$ to your operation or \$/Acre) of the new idea or tool on your farm operation?

THANK YOU

For your attendance at the Pinney Purdue Field Day and for filling out this evaluation. Your input will be used to evaluate today's field day and improve future field days.



2016 Pinney Purdue Agriculture Center Field Day Evaluation Summary

127 evaluations returned

1. Please list your county and the number of acres (A.) of each crop you grow.

Berrien	1	1%	Corn – 55,741 acres
Cass (IN)	2	2%	Soybeans – 39,517 acres
Cass (MI)	1	1%	Wheat – 1,130 acres
Decatur	1	1%	Alfalfa – 914 acres
Fulton	4	3%	Cucumbers – 280 acres
Greer	1	1%	Seed corn – 950
Jasper	4	3%	Oats – 56 acres
Jasper/Pulaski	2	2%	Grass hay – 10
Jasper/Pulaski/White/Starke	1	1%	Rye – 580 acres
Kosciusko	4	3%	Mint – 60 acres
Lake	2	2%	Popcorn – 1200 acres
LaPorte	35	28%	CRP – 120 acres
LaPorte, St. Joe, Marshall	1	1%	Other – 221 (Blueberries, sweet corn)
LaPorte, Porter, Marshall, St. Joe, Berrien, Cass, VanBuren	1	1%	Seed Corn – 2,150 acres
LaPorte/St. Joe	2	2%	Potatoes – 60 acres
Marshall	2	2%	
Marshall/Kosciusko	1	1%	
NW IN	1	1%	
NW IN SW MI	1	1%	
Porter	20	16%	
Pulaski	13	10%	
Putnam	1	1%	
St. Joseph	13	10%	
Starke	9	7%	
Starke, LaPorte, Pulaski	1	1%	
Starke/ Pulaski	1	1%	
Starke/Marshall	1	1%	
White/Jasper	1	1%	

2. If you are not a farmer, approximately how many acres do you supervise/treat per year? **County** included above
 Acres: **574,890 (not included – 15,000 non-Ag and rent out 250 acres)** (of course there can always be duplicates here)

Please check the appropriate answer to the following questions as a result of your participation in this program.

3. I intend to apply information I learned today to increase the profit of my farm operation. (Please circle)
80% - Yes, 17% - Maybe, 3% - No

4. I intend to apply information I learned today to increase my crop production/yields. (Please circle)
78%- Yes, 20%-Maybe, 3%-No

5. Please rank the top 3 (1st, 2nd 3rd) sessions that were the most valuable to you today. (only used data from those who did it correctly)

Average rank (times chosen for ranking)

1.59 (44) Jason Henderson
1.93 (54) Shaun Casteel
2.12 (17) Hoagland/Howe
2.03 (61) Jim Camberato/Bob Nielsen
2.43 (23) Phil Sutton
2.25 (32) Kiersten Wise

6. How does information provided at the Pinney Purdue Field Day impact the decisions you make in your crop operation?

- Knowledge is Power. Helps in making decisions
- It makes me think of the future and what I want to do with my farm
- Yes
- Keeps me up to speed with the latest trials
- Information= Knowledge + Knowledge = Profit
- outlook on crops
- Let Jim C. and Bob N. talk more.
- Spurs Thoughts
- Be more aware of crop inputs and diseases
- Good research. I use it for my education so I can further research other sources
- Guide to save money
- Research saves time on what crop to plant and adjustments to make on our operation research speeds up on farm test plots.
- Don't go overboard on fertilizer
- Planting Dates on corn and soybeans, soybean seeding rates
- More knowledge better easier to make decision
- Change of rates and/or rethinking uses of see treatments for blanket approach
- Helps make decisions
- Just learning what is new in Agriculture
- Knowing new information on research on diseases and soybean population
- Get ideas and direction
- Crop diseases awareness
- Educational for me. "Lender"
- Identify problems and look for potential issues
- I always take home some info that I can use on my farm.
- Yes.
- I can make better decisions
- yes.
- By trying different ways to see which on benefits my program the best.
- Reinforces information learned over time.
- What type of weed management to use
- Some
- Planting populations, N rates, and scouting
- Always new ideas
- I always learn something new on something I forgot.
- More food for thought toward final profit
- I try to incorporate info into my operation like Neilsen's N rates and Pop. Recommendations.
- I use some new ideas each year
- How to cut costs but still maximize profits
- Difficult to hear speakers when they talk had echo and noise in barn....slow down ---control echo!
- Informs me on field trial results so I can make smarter changes
- It is always good to hear from Purdue professionals in formulating economic best practices in recommending varieties, hybrids, fertility, herbicide programs and agronomic practices for farmers we serve.
- helpful
- It will be huge consideration for recommendations made next growing season.

7. Did you attend the Pinney Purdue Field Day in 2015?

44% No (If no, you are finished with the survey)

56% Yes (If yes, please turn the card over and answer the remaining questions)

If you answered yes to Question #7, please answer the following questions. As a reminder to help you remember what we covered last year, the following were the general topics presented at the 2015 Field Day.

(Topics marked "PM" were presented only at the 2015 Field Day twilight session)

Establishing Strong Corn

Drainage Issues and Water Quality

Update on Crop Disease and Fungicide Issues

Managing Soybeans in a Wet Season

How to Properly Clean Out a Sprayer

Weed Control Issues (PM)

Cropping Systems Management (PM)

Late Season N Application in Corn (PM)

8. As a result of attending last year's Field Day, what one new idea or management tool have you already successfully implemented that has had the biggest impact in your crop operation? Please briefly describe.

- Yield drops in corn around V-10 stage
- Applying fertilizer
- Nitrogen
- We used Ilevu fungicides on seed treatments in problematic SDS fields in 2016
- Don't know yet
- Passed on the importance of properly cleaning out your sprayer
- Late season nitrogen application
- Late season nitrogen
- Doing blueberries, there is a lot of topics that don't apply directly. I find all of the information very interesting. I did take some things and ideas home concerning how to clean a sprayer
- Added pre-emerge weed control to some soybeans
- We've done a better job of rinsing our sprayer out when switching between corn
- Cleaning out my sprayer
- I was much more careful to clean out my sprayer thoroughly after 2015
- Cover crop trial
- Didn't talk chemical cost against yield profit?
- Used late season nitrogen app via irrigation
- Applied late season nitrogen through irrigation system
- Cleaning the sprayer more thoroughly
- Drainage with controlled structures
- Sprayer cleanout
- Cleaning sprayer
- More drainage rotate to "hay" on sandy acres
- Strong corn
- Sulfur on beans
- Sprayer clean
- Fungicide
- Cleaning sprayer
- Nitrogen management in corn, economical nitrogen rates and timed application
- Late season nitrogen with ESN
- Proper sprayer clean out
- Soybean population study, corn population economics
- Cleaning the sprayer properly
- Dealing with palmer
- Drainage issues- fixed 5 wet holes
- Good

9. How did this new idea or tool decrease your expenses or increase your income?
- Better plant health, better yields
 - Better yield
 - Hope it increases income on tougher SDS soybean fields
 - A lot less chance of herbicide damage
 - Too early to be sure
 - Hopefully increases yields
 - Keeping a machine in good working order and clean will extend the life of the machine
 - Decreased *damp...?* to dry condition
 - N/A
 - Increase expenses but gave better control
 - By reducing crop injury
 - Honestly, I don't know if it affected my bottom line, but might have prevented me from potential crop injury which potentially added bushels.
 - Unknown until harvest 2016
 - Just think I thought about, but ok
 - It increased expenses at this time income info N.A.
 - Have to wait for yield to determine if increase outweighs expense
 - Saved crop in field from chemical leftover kill
 - Tile is expensive but losing crop to drowning is more expensive
 - As a new custom applicator the presentation gave me new knowledge on how to do a proper clean out
 - Upgraded sprayer with quick connectors
 - "hay" repeat for contract years
 - Better planting conditions
 - Not containing spray tank
 - Helped cut costs
 - Hopefully more corn
 - No damaged crop
 - Reduced crop damage and increased yield and income
 - Better choices
 - Less water on muck soils provides better yields/less weeds
 - Yes
10. What was the financial impact (either in total \$ to your operation or \$/Acre) of the new idea or tool on your farm operation?
- NA
 - \$ per acre
 - Don't know yet until plots are harvested
 - ??
 - None
 - ?
 - Small right now, we will see over time
 - N/A
 - Still to be determined
 - ?
 - Honestly, don't know if it affected my bottom line, but might have prevented me from potential crop injury, which potentially added bushels
 - Unknown until harvest 2016
 - Equipment and fertilizer \$7800
 - Purchase equipment \$1500 gallon of 28= \$7800 over approx. 140 acres
 - ?
 - \$30/acre
 - A significant financial impact because it may have prevented tank contamination leading to crop damage
 - ?
 - No field damage by sprayer
 - Don't know
 - Cost more per acre but looks good so far
 - \$3/bu Corn and \$8/bu Soybeans
 - N/A
 - Unknown

THANK YOU

For your attendance at the Pinney Purdue Field Day and for filling out this evaluation. Your input will be used to evaluate today's field day and improve future field days.

Title: Pinney Purdue Field Day

Team: Eugene Matzat, Phil Woolery, Robert Yoder, Philip Sutton, Jeffrey Burbrink, Nicole Witkowski, Lyndsay Ploehn, Philip Long, Kelly Heckaman, Bryan Overstreet, Lyndon Kelley

Purdue Extension Goals:

Issue

Crop producers need fact-based information in order to remain productive and competitive in agriculture. Researchers and Extension specialists need a forum at which to share their practical research with farmers who can then benefit from adoption of these practices. A field day at one of Purdue's Ag Centers (PACs) provides an opportunity to meet both needs. By hosting a field day that encourages specialists to share their latest research on various crop production activities or pest management practices with local farmers and others through field tours and concurrent sessions, an efficient means of getting results to a multitude of those who can benefit from them is attained.

What Has Been Done

The Pinney Purdue Field Day is an annual event that is a collaboration between Pinney PAC, Area ANR Extension Educators, Purdue Extension Specialists, and some outside partners. Besides a full morning of four concurrent presentations, a beginning session on the current ag outlook was also held. An Extension display was set up to introduce area educators and share program information. Those who attended could also receive credits for their private (PARP) and commercial (CCH) pesticide applicator licenses. Certified Crop Advisers can get continuing education units (CEUs). Besides the daytime field day, an evening program is hosted for folks that work during the day. The primary purpose for the evening program is to offer PARP credits, but CCHs and CCA CEUs are also available. For 2015 there were presentations on late season nitrogen management in corn, weeds, and how to properly clean out a sprayer.

Results

Pinney Purdue Field Day continues to be the best attended PAC field day for Purdue Extension (400 for field day; 85 for twilight program from 12 different IN counties plus IL and MI). Field Day participants who responded to a survey (126 responses) said that they raised a total of almost 117,000 acres of crops in northern Indiana, including 64,000 A corn, 46,000 A soybean, 1,850 A wheat, 1,650 A alfalfa, 2800 A of other crops or supervised/treated nearly 2,300,000 acres of cropland. Over 77% of respondents said that they planned to apply information gleaned from the field day to increase profits and yields on their farms. Another 19% said they would maybe do this in both instances. When asked what they learned that would have an immediate impact in their operations, farmers answered marketing of crops, cleaning their sprayer, nitrogen and sulfur fertilization (using ammonium sulfate) of soybean, drainage ideas, diseases of crops, especially options to control SDS.

Outcomes

None

Succession Planning: Succession Planning for Future Generations

Program Survey

Please help us to evaluate this program by answering this survey. Your participation in this survey is completely voluntary and anonymous.

1. Did this workshop increase your knowledge of....

A. <u>Running an Effective Meeting</u>	Yes	No
B. <u>Setting Professional Boundaries</u>	Yes	No
C. <u>Communicating Across Generations</u>	Yes	No
D. <u>Assessing Financial Strengths and Weaknesses</u>	Yes	No
E. <u>Life Insurance</u>	Yes	No
F. <u>Setting Goals</u>	Yes	No
G. <u>Retirement Planning</u>	Yes	No

2. What one new idea or tool will you implement into your succession plan immediately?

3. In the next year, what is one thing you plan to implement into your farm succession plan or estate plan?

4. How has this workshop better prepared you to write or implement your succession plan?

5. On a scale of 1 (lowest) to 5 (highest) to what extent do you feel comfortable with your succession plan? Please explain why in the space provided.

1(not very comfortable) 2 3 4 5 (very comfortable)

Why?

6. As a result of this program.....

- | | | |
|--|-----|----|
| A. Do you plan to evaluate and make changes to your succession plan? | Yes | No |
| B. Do you feel more comfortable with your estate plan? | Yes | No |
| C. As a result of this program, do you feel you will be able to
implement, plan and organize a family business meeting on
a regular basis? | Yes | No |
| D. <u>Do you plan to evaluate and make changes to your estate plan?</u> | Yes | No |

Succession Planning: (Regional Workshop Title)

Program Survey

Please help us to evaluate this program by answering this survey. Your participation in this survey is completely voluntary and anonymous.

1. Did this workshop increase your knowledge of....

A. <u>_(Specific Topic Related to This Year's Workshop)_____</u>	Yes	No
B. <u>____(Example includes: Goal Setting, Retirement Planning)_</u>	Yes	No
C. <u>____(Other Examples: Farm Family Meetings, Life Insurance)</u>	Yes	No
D. _____	Yes	No
E. _____	Yes	No
F. _____	Yes	No
G. _____	Yes	No

2. What one new idea or tool will you implement into your succession plan immediately?

3. In the next year, what is one thing you plan to implement into your farm succession plan or estate plan?

4. How has this workshop better prepared you to write or implement your succession plan?

5. On a scale of 1 (lowest) to 5 (highest) to what extent do you feel comfortable with your succession plan? Please explain why in the space provided.

1(not very comfortable) 2 3 4 5 (very comfortable)

Why?

6. As a result of this program.....

- | | | |
|--|-----|----|
| A. Do you plan to evaluate and make changes to your succession plan? | Yes | No |
| B. Do you feel more comfortable with your estate plan? | Yes | No |
| C. As a result of this program, do you feel you will be able to implement, plan and organize a family business meeting on a regular basis? | Yes | No |
| D. <u>_(Specific Topic Related to This Year's Workshop)_____</u> | Yes | No |
| E. <u>_(Example: Do you plan to evaluate and make changes to your estate plan?)_____</u> | Yes | No |

Title: Farming Together: Planning for the Transfer of Farm Ownership and Management

Team: Nicholas Held, Edward Farris, Tamara Ogle, Kelly Heckaman, Andrew Martin, Denise Schroeder, Renee Wiatt, Jenna Nees, Amanda Dickson, Lonnie Mason, Craig Dobbins, Michael Langemeier, Maria Marshall

Purdue Extension Goals:

Issue

As Indiana farm families face the issue of transferring the farm business to the next generation of operators, the need for information and resources in the area of business transfer and succession planning has become crucially important for the smooth transition of the business. In evaluations of statewide programming efforts, including Midwest Women in Agriculture, Annie's Project, and Purdue Management Academy, succession planning is consistently identified as a top management concern and an area in which producers would like more information. Local program evaluations and needs assessments also indicate succession planning is a topic of importance.

What Has Been Done

The Purdue Succession Planning Team developed and planned its third grant-funded regional workshop series, which was offered in early-2015 at three locations across Indiana. "Farming Together: Planning for the Transfer of Farm Ownership and Management" offered participants a day-long workshop covering risk assessment, feasibility of adding a family member to the operation, and ownership and management transfer strategies. On day-two, each farm family met with members of the team in one-hour consultation sessions to discuss their succession planning issues and questions in more detail.

Results

The three regional workshops hosted 87 total participants. At the close of each workshop, participants had the opportunity evaluate the program. Key results of the evaluation include:

- 94% increased their knowledge of risk management tools.
- 97% felt better prepared to analyze farm financial records.
- 96% felt better prepared to develop a management transfer plan.
- 87% planned to meet with (or assemble) a succession planning advisory team.
- 87% planned to write or revise their farm succession plan.

When asked to identify one action they planned to take in the next year regarding their farm succession plan, responses included: more business meetings with better organization, more clearly define roles and responsibilities, completing a plan that works for all family members, and start our plan.

Other comments received include: " I feel empowered to ask appropriate questions and get useful information and progress with my family" and "The conversations we had at the tables got us thinking about how we can change our operation to make the succession to the next generation easier".

Outcomes

None

2016 Cover Crop/Soil Health Program Evaluation

Title _____ Date _____

Your participation in this survey is completely voluntary and anonymous. We appreciate your comments on the questions below to assist us in identifying the benefits of participating in programs like this. Please turn survey into the attendant prior to leaving.

1. Indicate your level of knowledge of these issues:
- | | Before this workshop | After this workshop |
|--|----------------------|---------------------|
|--|----------------------|---------------------|

2. Based on your participation in today's program, what management changes do you plan to make?

3. As a result of attending today's workshop, what actions do you intend to take in the next 6 to 12 months?
-

4. What topics would you like to see in future programs/workshops?
-

5. Did you attend this workshop last year?
_____ No (if no, you are finished with the survey)

_____ Yes (if yes, please turn the card over and answer the remaining questions)

2016 Cover Crop/Soil Health Program Evaluation

Title _____ Date _____

Your participation in this survey is completely voluntary and anonymous. We appreciate your comments on the questions below to assist us in identifying the benefits of participating in programs like this. Please turn survey into the attendant prior to leaving.

1. Indicate your level of knowledge of these issues:
- | | Before this workshop | After this workshop |
|--|----------------------|---------------------|
|--|----------------------|---------------------|

2. Based on your participation in today's program, what management changes do you plan to make?

3. As a result of attending today's workshop, what actions do you intend to take in the next 6 to 12 months?
-

4. What topics would you like to see in future programs/workshops?
-

5. Did you attend this workshop last year?
_____ No (if no, you are finished with the survey)

_____ Yes (if yes, please turn the card over and answer the remaining questions)

If you answered yes to Question #5, please answer the following questions. As a reminder to help you remember what we covered last year, the following were the general topics presented.

6. As a result of attending last year's program, what one new idea or management practice have you already successfully implemented that has had the biggest impact in your crop operation? Please briefly describe

7. How did this new idea or practice improve your crop operation?

8. How did this new idea or practice decrease your expenses or increase your income?

THANK YOU

For your attendance and for completing this evaluation. Your input will be used to evaluate our programing efforts and to share successes with our stakeholders.

Purdue University, Indiana Counties and U.S. Department of Agriculture Cooperating
An Affirmative Action/Equal Opportunity Institution

If you answered yes to Question #5, please answer the following questions. As a reminder to help you remember what we covered last year, the following were the general topics presented.

6. As a result of attending last year's program, what one new idea or management practice have you already successfully implemented that has had the biggest impact in your crop operation? Please briefly describe

7. How did this new idea or practice improve your crop operation?

8. How did this new idea or practice decrease your expenses or increase your income?

THANK YOU

For your attendance and for completing this evaluation. Your input will be used to evaluate our programing efforts and to share successes with our stakeholders.

Purdue University, Indiana Counties and U.S. Department of Agriculture Cooperating
An Affirmative Action/Equal Opportunity Institution

Instructions to Educators on using the survey template.

Put the title and date of your workshop/program at the top.

For questions 1 and 2 - please select a few from these lists as appropriate to your program/workshop. Copy & paste them into the template Text Box.

1. Indicate your level of knowledge of these issues

*assessing soil health	None	A little	Some	A lot	None	A little	Some	A lot
*the benefits of cover crops	None	A little	Some	A lot	None	A little	Some	A lot
*fitting cover crops into my cropping system	None	A little	Some	A lot	None	A little	Some	A lot
*cover crop selection	None	A little	Some	A lot	None	A little	Some	A lot
*cover crop seeding methods	None	A little	Some	A lot	None	A little	Some	A lot
*utilizing manure in the cropping system	None	A little	Some	A lot	None	A little	Some	A lot
*terminating cover crops	None	A little	Some	A lot	None	A little	Some	A lot
*herbicide carryover effects on cover crops	None	A little	Some	A lot	None	A little	Some	A lot
*nutrient management *(cover crops, no-till, manure, other)	None	A little	Some	A lot	None	A little	Some	A lot
*cover crop mixtures	None	A little	Some	A lot	None	A little	Some	A lot
*cover crops and soil health	None	A little	Some	A lot	None	A little	Some	A lot
*cover crops and water quality	None	A little	Some	A lot	None	A little	Some	A lot
*no till, strip-till	None	A little	Some	A lot	None	A little	Some	A lot
*soil biology	None	A little	Some	A lot	None	A little	Some	A lot

2. Based on your participation in today's program, what management changes do you plan to make?

*planting cover crops	Yes	No	Not sure	Already do this
*changing my cover crop mixture	Yes	No	Not sure	Already do this
*changing my cover crop seeding method	Yes	No	Not sure	Already do this
*changing my process to terminate cover crops	Yes	No	Not sure	Already do this
*changing or adapting my machinery	Yes	No	Not sure	Already do this
*adjusting my fertility program (rates, time, placement, source)	Yes	No	Not sure	Already do this
*soil testing practices	Yes	No	Not sure	Already do this
*utilizing manure	Yes	No	Not sure	Already do this
*developing a nutrient management plan	Yes	No	Not sure	Already do this
*changing tillage system	Yes	No	Not sure	Already do this

5. Did you attend this workshop last year? Educators – You may adjust this question to fit your workshop occurrence...last year or to repeat programs

If you answered yes to Question #5, please answer the following questions. As a reminder to help you remember what we covered last year, the following were the general topics presented.

Educators - Put the list the topics from last year's / repeat workshop or program

Educators - PRINT survey so it is 2-sided, then cut page in half.

September 21, 2016

Reporting Soil Health in Digital Measures

Here is a list of data to enter for consistent reporting across program efforts.

LEARNING EVENTS (Page 1) and IMPACT STATEMENTS (Page 5)

Extension Educator or Specialist – Learning Event

Team

Educator takes lead to enter in DM

Always include Eileen Kladviko and Walt Sell

Add others as appropriate to event

Key words – include any of these as appropriate to the event. Separate with “;”

Soil health; Water quality; Nutrient management; Soil resiliency; Extreme weather events; Cover crops; Organic matter;

Soil biomass; CEC; Erosion; PARP

Primary program area theme = ANR – field crops

Secondary/related program area theme = ANR – natural resources

NIFA priority = Global Food Security and Hunger

Purdue Extension Goals = Fostering Responsible Land Use and Conservation of Resources

External partners - include any of these as appropriate to the event. Separate with “;”

NRCS; SWCD; ISDA; CCSI

Evaluation

Post-survey on soil health knowledge and intent to adopt practice, and includes follow-up questions for repeat participants.

ANR Outcome Indicators – insert numbers to one or more outcomes as appropriate to the event

Field crops

of participants informed about field crops

of youth informed about field crops

of participants informed about crop production issues

of participants informed about agronomic issues

of participants informed about agronomic technologies

of participants informed about agronomic management practices

Natural resources

of participants gain knowledge in different management options when restoring, conserving, and over-using ecological resources

of participants aware of how to assess ecosystem health and sustainability to monitor ecosystem services, and to communicate the results

of participants who intend to adopt ecosystem practices

of participants that increase knowledge of management practices under climate variability and change

Next section shows images in Digital Measures

< Edit Extension Educators or Specialists - Learning Events

Cancel

* Month / Year

* Title

Individual or Team

Purdue Team Members

Team Member

Huetteman, Julie K: jhuettem

Team Member

Sell, Walter E: wsell

Team Member

Kladivko, Eileen J: kladivko

? * Event County

? Method of Delivery

(in person workshop, presentation, field day, program, etc., or via technology when participants are known)

? * Primary Program Area Theme

- ? Secondary/Related Program Area Theme(s)
- ANR Livestock
 - ANR Farm & agribusiness management
 - ANR Natural resources
 - ANR Horticulture
 - ANR Food & Farm Safety/Security
 - ANR Collaborative/Multiple Program Areas

? * NIFA Priorities - POW

- ? Purdue Extension Goal(s)
- Building Effective Parenting Skills
 - Creating Quality Communities
 - Enhancing Positive Life Skills
 - Expanding Agriculture-Related Opportunities
 - Fostering Responsible Land Use and Conservation of Resources
 - Increasing Civic Participation and Local Government Education

- ? Purdue Priorities
- PK-12 Schools
 - Diversity

? * Use key words (separated by ";") to describe your learning event so others know what it is and what it is about. Consider these categories:

External partners/collaborators
(separated by ";")

NRCS; SWCD; ISDA; CCSI

Grants/Sponsorships

Grant/Sponsorship

Funding Source

Level

Amount

Description

Select the number of grant/sponsorship rows to add: 1

+Add

Briefly describe your evaluation
plan/method (if applicable)

Post-survey on soil health knowledge and intent to adopt practice, and includes follow-up questions for repeat participants.

Outcome Indicators

Select outcome indicator(s) only if event is complete and results are in hand as reported for this month, and enter the number. If learning event has multiple sessions over time greater than a month, you may choose to put outcome indicators only in the month with the last reported session of the learning event, or you may report the outcome indicators with an impact statement.

None for 4-H

[Click here](#) for ANR

[Click here](#) for CD

[Click here](#) for HHS

Field Crops

# of participants informed about field crops	<input type="text"/>
# of youth informed about field crops	<input type="text"/>
# of participants informed about crop production issues	<input type="text"/>
# of participants informed about agronomic issues	<input type="text"/>
# of participants informed about agronomic technologies	<input type="text"/>
# of participants informed about agronomic management practices	<input type="text"/>

Natural Resources

participants gain knowledge in ecosystem services & functions literacy in terms of products, regulating services, cultural services, and social services

participants gain knowledge in different management options when restoring, conserving, and over-using ecological resources

of first detectors trained in early detection & rapid response of plant pests, animal pests and diseases (e.g. invasive plant species)

participants gain knowledge in sustainable energy, woody biomass, biofuels

of new biofuels technologies developed

of participants increased knowledge of biofuels production / harvesting / storage systems

of new biofuels production / logistic practices developed

of participants gain knowledge in management practices for biofuels production / harvesting / storage systems

participants aware of how to assess ecosystem health and sustainability to monitor ecosystem services, and to communicate the results

participants who intend to adopt ecosystem practices

participants who indicate they can apply a decision-support tool to make decisions and take actions on ecosystem health and sustainability

of decision tools available for sustainable biofuels and bioproducts systems

of producers gained knowledge of decision models for sustainable biofuels and bioproducts systems

of policy makers gained knowledge of decision models for sustainable biofuels and bioproducts systems

of new assessment and management tools developed, including models and measurements of greenhouse gas emissions

of climate relevant social media products, web-based products and communication tools (smart phone apps, Facebook, Twitter)

of new climate relevant databases, monitoring systems, and inventories managed or under development

of participants that increase knowledge of management practices under climate variability and change

Extension Educator or Specialist – **Impact Statements**

Team

Educator takes lead to enter in DM
Always include Eileen Kladviko and Walt Sell
Add others as appropriate to event

Key words – include any of these as appropriate to the event. Separate with “;”

Soil health; Water quality; Nutrient management; Soil resiliency; Extreme weather events; Cover crops; Organic matter; Soil biomass; CEC; Erosion; PARP

Primary program area theme = ANR – field crops

Secondary/related program area theme = ANR – natural resources

NIFA priority = Global Food Security and Hunger

Purdue Extension Goals = Fostering Responsible Land Use and Conservation of Resources

External partners - include any of these as appropriate to the event. Separate with “;”

NRCS; SWCD; ISDA; CCSI

Evaluation

Post-survey on soil health knowledge and intent to adopt practice, and includes follow-up questions for repeat participants.

ANR Outcome Indicators – insert numbers to one or more outcomes as appropriate to the event

Field crops

- # of participants who self-report that they adopted a recommended practice for their operation
- # of participants that adopted changes to their farm to make them more resilient to climate change
- # of producers indicating adopting of recommended technologies for agronomic crops
- # of producers indicating adoption of recommended management practices for agronomic crops
- # of producers indicating increased dollar returns per acre and/or reduced costs per acre due to adopted agronomic practices
- # of routine water quality tests of major water bodies and tributaries showing a decrease in soil particles and agriculturally-related chemicals of concern

Natural resources

- # of acres incorporate ecosystem services and/or biodiversity considerations
- # of landowners / agencies adopt best management practices for maintenance of locally-valued ecosystem services
- # of participants adopted recommended climate mitigation practices (e.g., water use efficiency, carbon sequestration, reducing carbon and energy footprint)
- # of acres under recommended climate mitigation practices (e.g., water use efficiency, carbon sequestration)
- # of acres employing best management practices for ecosystem conservation

Next sections shows images in Digital Measures

← Edit Extension Educators or Specialists - Impact Statements

Team Member	
Kladivko, Eileen J: kladivko	
Team Member	
Sell, Walter E: wsell	

Select the number of team member rows to add:

* Primary Program Area Theme

Secondary/Related Program Area Theme(s)

- ANR Livestock
- ANR Farm & agribusiness management
- ANR Natural resources
- ANR Horticulture
- ANR Food & Farm Safety/Security
- ANR Collaborative/Multiple Program Areas

* NIFA Priorities - POW

Purdue Extension Goal(s)

- Building Effective Parenting Skills
- Creating Quality Communities
- Enhancing Positive Life Skills
- Expanding Agriculture-Related Opportunities
- Fostering Responsible Land Use and Conservation of Resources
- Increasing Civic Participation and Local Government Education

External partners/collaborators (separated by ";")

Briefly describe your evaluation plan/method (if applicable)

Outcome Indicators



Select the outcome indicator(s) for this program or indicators elsewhere.

[Click here for 4-H](#)

[Click here for ANR](#)

[Click here for CD](#)

None for HHS

Field Crops

Medium-Term Indicators:

of participants who self-report that they adopted a recommended practice for their operation

of participants who self-report that they adopted fertilizer and pesticide recommendations for field crops

of participants that adopted changes to their farm to make them more resilient to climate change

of producers indicating adoption of recommended technologies for agronomic crops

of producers indicating adoption of recommended management practices for agronomic crops

Long-Term Indicators:

of reduction in pesticide spills or drift complaints

of producers indicating increased dollar returns per acre and/or reduced costs per acre due to adopted agronomic practices

of producers indicating increased dollar returns per acre due to overall crop quality improvement

of routine water quality tests of major water bodies and tributaries showing a decrease in soil particles and agriculturally-related chemicals of concern

Natural Resources

Medium-Term Indicators:

of ecosystem service valuation plans created or revised

of participants adopt use of decision-support tool for ecosystem service valuation

of management plans created for financial and ecological value of "free" services provided by ecosystems

of participants / stakeholders adopted best management practices for biofuels production / harvesting / storage systems

of acres incorporate ecosystem services and/or biodiversity considerations

of participants employ climate adaptation strategies in natural ecosystems, including strategies for biodiversity

of acres under recommended adaptation strategies for natural resources management

of landowners / agencies adopt best management practices for maintenance of locally-valued ecosystem services

of participants adopt recommended adaptation strategies for natural resources management

of agencies / organizations / communities incorporate climate-based management practices in community development

Long-Term Indicators:

of participants adopted recommended climate mitigation practices (e.g., water use efficiency, carbon sequestration, reducing carbon and energy footprint)

of acres under recommended climate mitigation practices (e.g., water use efficiency, carbon sequestration)

of acres employing best management practices for ecosystem conservation



On-Farm Food Safety for Direct Marketers
End of Program Survey

Thank you for attending today’s program. In order to help us improve our programming, please take a few minutes to fill out the following survey. Completing this survey is voluntary. Your responses will be anonymous. If more than one person from your operation is attending the program, please return only one survey per operation.

1. What are the top five crops (in terms of acreage) grown on your operation and the estimated percent of total sales for each?

Crop	Estimated percent of total sales

2. Please estimate your average annual fruit, vegetable, and melon acreage.

- a. None
- b. Less than 1 acre
- c. 1-4 acres
- d. 5-14 acres
- e. 15-49 acres
- f. Over 50 acres

3. Please estimate your average annual gross produce sales.

- a. \$1 - \$2,500
- b. \$2,501 - \$7,500
- c. \$7,501 - \$15,000
- d. \$15,001 - \$25,000
- e. \$25,001 - \$50,000
- f. Over \$50,000

4. How much of your fruit, vegetable, and melon sales are direct to the final consumer?
- a. All or nearly all
 - b. More than half
 - c. Less than half
 - d. None or nearly none
5. How would you rate today's program?
- a. Very useful
 - b. Somewhat useful
 - c. Not very useful
 - d. Not at all useful
6. Which part of today's program did you find the most useful?
- a. Introduction
 - b. Water
 - c. Waste
 - d. Wildlife
 - e. Workers
 - f. Practical applications
7. Based on what you learned today, do you anticipate making changes on your farm?
- a. Yes
 - b. No
8. If you answered "Yes" to Question 7, in what areas do you anticipate making changes (please circle all that apply)
- a. Water use
 - b. Manure and waste management
 - c. Wildlife management
 - d. Training and management of workers
 - e. Postharvest handling and packaging
 - f. At the point of sale
 - g. Other (Please specify) _____
9. Do you have any other comments or suggestions that will help us to improve today's program?

IMPACT STATEMENTS

Title: On-Farm Food Safety for Produce Direct Marketers

Team: James Monroe, Elizabeth Maynard, Jodee Ellett, Michael O'Donnell, Miranda Ulery, Eugene Matzat, Amanda Mosiman, James Wolff, Kelly Heckaman, Amanda Dickson, Jon Neufelder, Curt Emanuel, Diane Turner, Paul Marcellino, Valerie Clingerman, Nicole Witkowski, Robert Yoder, Monica Nagele, Daniel Gabbard, Larry Caplan, Kristine Medic, Krista Pullen

Purdue Extension Goals: Expanding Agriculture-Related Opportunities

Issue

According to Centers for Disease Control estimates, approximately 46% of all foodborne illness outbreaks originate with fresh produce. The Food Safety Modernization Act and the resulting Produce Rule issued by the U.S. Food and Drug Administration seek to address this issue, as do industry-driven third party audits for good agricultural practices (GAPs) at the farm level. Federal regulations contain exemptions for smaller growers and those who utilize direct marketing venues for sale of their products. Additionally, third party audits and certifications may not be necessitated for direct marketers. Consequently, a need exists for a voluntary GAPs education program tailored to produce direct marketers who may not be obligated by regulation or the marketplace to gain knowledge of, or implement, food safety practices.

What Has Been Done

Utilizing funding from a U.S.D.A. Specialty Crop Block Grant (administered by the Indiana State Department of Agriculture), a program was developed to address this need. The program, called On-Farm Food Safety for Produce Direct Marketers, is a two-hour program designed to give produce direct marketers a basic knowledge of food safety and GAPs as they relate to the production of fruit and vegetable crops. The program was designed such that it could easily be delivered to local audiences by county-based extension educators. Training and demonstration videos were produced and made available to educators who wished to present this program to their clientele. In addition to individual programs offered by educators, the program was also presented to multiple counties using WebEx and served as Part 1 of the three-part Garden-2-Consumer series offered by Purdue Extension – Lake County. The program was also presented at the Small Farms Conference in Danville, IN. In addition to a Powerpoint® presentation, a handout on Water Testing and Farm Food Safety Decision Trees For Fruit and Vegetable Growers (Elizabeth A. Bihn, et. al., Cornell University) were made available to participants to reinforce concepts presented. Through arrangements with the Indiana State Testing Lab and HML Laboratories in Muncie, participants were given test kits good for one free water microbial test. This enabled participants to test irrigation water following their participation in the program.

Results

This program was offered in Spring 2016. Over 200 individuals participated in this program as it was offered through various venues. In addition to presentation at the Small Farms Conference, the program was presented in 20 counties. An IRB approved survey was administered to participants at the conclusion of the program. 120 surveys were returned. 85% of respondents indicated that their total vegetable acreage was 4 acres or less. 89% of respondents indicated that their average annual gross sales of produce were less than \$25,000/year. 78% of respondents reported that more than half of their produce sales were direct sales to the final consumer. Results suggest that the vast majority of participants, based on reported average annual sales and marketing venues, were exempt from federal legislation and, most likely, did not operate in markets that required a third party GAPs audit. This means that those who attended the program represented the target audience. When asked to rate the usefulness of the program, 86% of survey respondents indicated that the program was very useful. 14% of respondents indicated that the program was somewhat useful. No respondents indicated that the program was not very useful or not at all useful. The survey indicated that 85% of respondents anticipated making changes on their farm based on what they had learned in the program. Water use and postharvest handling were the most frequently selected options when asked in what areas change was anticipated. This indicates that knowledge was transferred to participants sufficient to induce the intention to change behavior. A follow-up survey will be given to participants at the conclusion of the current growing season to estimate the degree to which actual changes in behavior were implemented on individual farms. As a result of this program, farmers selling fresh produce direct to Indiana consumers plan to adopt improved on-farm practices for food safety, and have knowledge and resources to help them do that.

Outcomes

None

Davis Purdue Agriculture Center – 2015 Field Day Evaluation

Your participation in this survey is completely voluntary and individual responses will be kept confidential. Do not put your name on this survey. Thank you for your time to help us improve the Davis-Purdue Field Day.

1. How did you hear about today’s field day? (Circle all that apply)

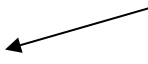
Mailing from Extension Office Newspaper Word of Mouth Other

2. Please rate the following parts of today’s field day: (5 being “great” and 1 being “waste of time”)

Corn & Soybean Herbicide Demonstration Plots -	5	4	3	2	1
Nozzle Selection & New Herbicide Technologies -	5	4	3	2	1
Seed Treatments & Pollinator Health -	5	4	3	2	1
Recordkeeping with Technology-	5	4	3	2	1

	<u>(Circle One)</u>		
	YES	NO	
3. Do you plan to change anything about how you clean out your sprayer as a result of what you heard today?	YES	NO	
4. Did you learn something about nozzle selection or new herbicide technologies that you will use in your operation?	YES	NO	
5. Did you learn anything about seed treatments or pollinator health that will help you protect pollinators on your farm?	YES	NO	
6. Did you pick up any tips about utilizing technology for pesticide recordkeeping that you plan to use next year?	YES	NO	
7. Did you learn anything from the “Bob & Shaun” show during lunch that will help you this fall or in the future?	YES	NO	
8. If you stayed for the “Deriving Value From Your Woodlands” presentation after lunch, did you learn anything that will help you generate income from your wooded acres?	YES	NO	Didn’t Attend
9. Have you attended DPAC Field Days in the past?	YES*	NO	

*(If you answered “YES”, please turn this page over and complete the additional 5 questions on the back)



THANK YOU!

If you have attended DPAC Field Days in the past, please take a moment to tell us about how the information you received at the field days has helped you in your farming operations.

1. How many years would you estimate you have attended the DPAC field day? _____
2. What keeps you coming back?

3. Please tell us about one or two specific things that you are doing differently in your operation as a result of something you learned at a DPAC Field Day.

4. Would you say that the information you've received at DPAC field days in the past has helped you be more profitable? (Circle one)

YES NO

5. Can you think of one thing you wish we'd change about this program? If so, what is it?

THANK YOU FOR YOUR PARTICIPATION!

Title: Davis Purdue Ag Center Field Day

Team: Jonathan Ferris, Larry Temple, Beth Vansickle, Michael O'Donnell, Julie Elsbury, Justin Curley, Will Schakel, Tiffanie Stone, James Camberato, Jeff Boyer, Bill Johnson, Shalamar Armstrong, Paul Marcellino, Lenny Farlee

Purdue Extension Goals:

Issue

Issues such as determining cash rent rates, management of insect and weed pests, adoption of new technology as well as management of non-crop/wooded acres are sometimes difficult and costly topics farmers must deal with on a regular basis. Many farmers are not sure who to turn to for reliable, unbiased answers to these types of questions, and end up making decisions that have the potential to not only negatively impact their bottom line, but may also have environmental consequences as well.

What Has Been Done

To assist farmers with making difficult management decisions, the Purdue Extension Agriculture & Natural Resource Educators in Area 7, along with the Davis Purdue Ag Center (DPAC) superintendent met together to organize a field day at DPAC in Randolph County. In 2016, 220 producers and representatives from Agribusinesses in the area attended the day-long event. Participants had the opportunity to hear an Extension Specialist and the DPAC farm superintendent discuss the effectiveness of their herbicide treatments, and were invited to walk through corn and soybean herbicide demonstration plots. Other topics discussed by Extension Specialists included "The Use of Gypsum as a Soil Amendment", "The Impact of Cover Crops on Nitrogen Availability and Efficiency", "Evaluating your Farmland Rental Options with the Rental Rate Decision Tool", "Utilizing Precision Ag for Herbicide and Fertilizer Setbacks and Recordkeeping" and "The Economics of Forest Management".

Results

When surveyed after the program, 90 percent of respondents indicated that they were more knowledgeable about gypsum and its' potential benefits to their farm. When asked about the herbicide plots, 50% of growers said they planned to change something about their weed management strategy as a result of what they learned. Additionally 47% indicated they planned to use the Rental Rate Decision Tool in their future farm management decisions and 25% responded that they would consider using precision Ag technology for herbicide and fertilizer setbacks. Finally, 100% of woodland owners attending an afternoon session on forest management indicated that they were more aware of and more likely to institute management practices such as timber stand improvement and invasive species control as a result of what they learned. Speaking about the field day in general, one farmer from Jay County expressed that this was the "best lineup of topics" he had ever seen. He noted that he was "interested in every one of them".

Outcomes

ANR

Field Crops (Medium-Term Indicators)

# of participants who self-report that they adopted a recommended practice for their operation	71
# of participants who self-report that they adopted fertilizer and pesticide recommendations for field crops	71
# of producers indicating adoption of recommended technologies for agronomic crops	36
# of producers indicating adoption of recommended management practices for agronomic crops	71

Natural Resources (Medium-Term Indicators)

# of participants adopt recommended adaptation strategies for natural resources management	19
--	----



Venison Workshop—Evaluation

We hope you found this workshop to be enjoyable, informative, and helpful to you as you prepare venison for the family dinner table. In order for us to know what you thought of tonight’s program, and to help us find out if we helped you in any way, please take a moment to answer the following questions. **NOTE: Completing this evaluation form is completely voluntary, and responses will be kept confidential.**

As a result of today’s program:

(circle one)

- | | | | |
|----|--|-------------------|----|
| 1. | Did you pick up any <u>field dressing</u> tips that will help you keep the carcass clean and free of contamination? | YES | NO |
| 2. | Did you learn anything about <u>food safety</u> , such as what temp. the meat should be stored at, when/how to age it, etc? | YES | NO |
| 3. | Did you pick up any <u>butchering</u> tips that will help you make better use of the meat, or improve the quality of your venison? | YES | NO |
| 4. | Do you plan to <u>change anything</u> about how you field dress, skin, butcher, or otherwise handle your venison? | YES | NO |
| 5. | Would you like to see <u>similar workshops</u> offered in the future, perhaps focusing on other upland game or fish? | YES | NO |
| 6. | Was this the first Purdue Extension program you have attended? | YES | NO |
| 7. | What was the most interesting or valuable part of this program for you? | <hr/> <hr/> <hr/> | |
| 8. | What is one thing you’d like to change or add to this program to make it better? | <hr/> <hr/> <hr/> | |

Other comments?

Note: If you’ve attended one of our workshops in the past, please complete the questions on the back →

Additional questions for returning attendees:

(If this is your 1st time attending, please do not complete this section)

1. What other wild game workshops have you attended in the past?
(Check all that apply)
 Venison How many years?
 Turkey How many years?
 Fish How many years?

2. Do you plan to continue attending future workshops? If so, why?

3. Can you tell us briefly about 1 or 2 things you have changed in the way you butcher or prepare game as a result of attending our programs in the past?

4. As a result of attending our workshops, would you say that you tend to keep or bring home more fish & game?

(Circle one) YES NO

5. As a result of attending our workshops, would you say that you hunt/fish more now that you are better prepared to utilize the game you harvest?

(Circle one) YES NO

Thank you for your time!

Title: Venison Workshop Series

Team: Jonathan Ferris, David Osborne

Purdue Extension Goals:

Issue

Hunting is a way of life for many citizens of Indiana. In 2015, 123,664 deer were harvested across the state. While some of these deer end up at commercial meat processing facilities, many are butchered by hunters at home. Of those who choose to process their harvested animals themselves, very few have formal training about how to properly process a wild game animal and must rely on practices that have simply been passed down from relatives or learned from friends. In addition, commercial processors are often concerned by the dirty, spoiled deer carcasses that end up at their facilities.

What Has Been Done

Purdue Extension Educators in Ripley and Wayne County conducted a series of venison workshops in Johnson & Clark Counties. During each workshop, the educators discussed the proper techniques for field dressing and aging of deer; skinned and quartered the deer; discussed proper storage and preservation methods; cut up the meat and prepared it in a variety of ways for participants to taste. Educators also presented information about proper meat handling and safety, and provided an update about chronic wasting disease in Indiana. At the conclusion, participants had the opportunity to sample venison products prepared that evening as well as some donated from local deer processors.

Results

Over 100 participants attended the programs. One hundred percent of respondents indicated they learned field-dressing tips that would help them keep the carcass clean and free of contamination. One hundred percent indicated they had learned something about food safety, and 98% responded they had learned how to make better use of the meat. Also, 100% of respondents indicated they planned to change how they handle their deer meat after attending this workshop, 98% percent of the respondents indicated they would like to see similar workshops in the future that focused on additional upland game and fish, and 78% indicated this was the first extension program they had ever attended. Ten returning participants were surveyed, and 90% indicated that they tend to keep or bring home more game as a result of attending the workshops, while 80% reported they hunt more now that they are better prepared to utilize the game they harvest. One of the returnees noted that "seeing it in person gives me confidence to do it myself." When asked about the program, another said "(you) just can't beat a live demonstration – something YouTube just doesn't have, being able to interact with the presenter." Yet another added that the most valuable portion of the program for him was "seeing the hands-on processing of the deer – my father was not a deer hunter so never had anyone show me." He went on to say "Thank you for helping pass on hunting to the next generation." Finally – a young participant who stayed after the program to have the chance to trim out a back leg under the instruction of one of the Educators made of a point of telling them "This was awesome – so much better than sitting home watching videos!"

Outcomes

None