

AGRICULTURAL FERTILIZER APPLICATOR CERTIFICATION EVALUATION

Meeting Dates	9/12/14, 9/25/14, 9/26/14
Meeting Locations	Fulton, Hancock, Paulding
Total Evaluations	600

1. County of Residence:

<u>11</u>	Allen	<u>11</u>	Hardin	<u>2</u>	Mercer	<u>1</u>	Shelby
<u>1</u>	Ashland Seneca	<u>65</u>	Henry	<u>1</u>	Monroe	<u>1</u>	Stark
<u>8</u>	Auglaize	<u>1</u>	Hillsdale	<u>2</u>	Montgomery	<u>21</u>	Van Wert
<u>7</u>	Crawford	<u>2</u>	Huron	<u>1</u>	Muskingam	<u>13</u>	Williams
<u>1</u>	Darke	<u>3</u>	Lenawee	<u>13</u>	Ottawa	<u>35</u>	Wood
<u>23</u>	Defiance	<u>1</u>	Licking	<u>95</u>	Paulding	<u>15</u>	Wyandot
<u>3</u>	Franklin	<u>1</u>	Logan	<u>31</u>	Putnam	<u>1</u>	Allen, IN
<u>82</u>	Fulton	<u>2</u>	Lorain	<u>4</u>	Richland	<u>20</u>	BLANK
<u>2</u>	Gurnsey	<u>20</u>	Lucas	<u>12</u>	Sandusky		
<u>63</u>	Hancock	<u>1</u>	Marion	<u>26</u>	Seneca		

2. How many acres do you farm or advise?

83% Farmers:

<u>17%</u>	1. Under 250
<u>15%</u>	2. 251-500
<u>17%</u>	3. 501-1,000
<u>22%</u>	4. 1,001-2,500
<u>6%</u>	5. 2,501-5,000
<u>2%</u>	6. Greater than 5,000
<u>4%</u>	7. Not Applicable

25% Ag Business/Agronomists:

<u>4%</u>	a. Less than 10,000
<u>4%</u>	b. 10,001-25,000
<u>5%</u>	c. 25,001-50,000
<u>4%</u>	d. 50,001-75,000
<u>3%</u>	e. 75,001-100,000
<u>2%</u>	f. Greater than 100,000
<u>5%</u>	g. Not Applicable

3. Age:

<u>18%</u>	18-30
<u>13%</u>	31-40
<u>17%</u>	41-50
<u>29%</u>	51-60
<u>23%</u>	60+

4. Education Level:

<u>47%</u>	High School
<u>18%</u>	Associates
<u>26%</u>	Bachelors
<u>6%</u>	Masters+

5. Have you ever attended OSU Extension programs in the past?

<u>83%</u>	YES
<u>12%</u>	NO

Based on your experience at today's meeting, please rate your level of agreement with each of the following statements where 1=Strongly DISAGREE to 5=Strongly AGREE.

	Disagree	Disagree	Neutral	Agree	Agree	N/A to me
6. Farm field P loss is a significant problem to our water resources (streams, rivers, lakes)	1	2	3	4	5	NA
	2%	5%	16%	58%	19%	0%
7. I have improved my knowledge about nutrient management	1	2	3	4	5	NA
	1%	2%	9%	68%	21%	0%
8. The educational materials shared with me were appropriate	1	2	3	4	5	NA
	0%	1%	11%	69%	18%	0%
9. The training method used was appropriate	1	2	3	4	5	NA
	0%	2%	15%	67%	15%	0%
10. Current Tri-State Fertility Recommendations for P limit maximum corn and soybean yields	1	2	3	4	5	NA
	5%	20%	35%	32%	7%	2%
11. I will change my nutrient management practices as a result of this meeting	1	2	3	4	5	NA
	2%	7%	40%	41%	8%	2%
12. When setting a corn nitrogen rate, I will utilize an economic based nitrogen calculator	1	2	3	4	5	NA
	1%	4%	21%	57%	15%	2%

13. Which of these best describes soil testing on your farm or in your business?

7%	1. More than 25 acres per soil sample
17%	2. Less than 25 acres per soil sample
32%	3. Grid soil samples (e.g. 2.5 acres per sample)
22%	4. Zone sampling determined by soil type
6%	5. Zone sampling determined by yield monitor
3%	6. Not soil sampling or soil samples older than 5 years

14. Which best describes the time when the majority of P is applied to your fields when corn is the crop to be grown next?

36%	1. September-November
0%	2. December-February
47%	3. March-May
7%	4. June-August

15. If broadcast spreading P (fertilizer/manure) on your fields, describe how or where P is applied.

45%	1. Broadcast P then immediately (less than 1 week) utilize tillage to incorporate
11%	2. Broadcast P then utilize tillage to incorporate more than 1 week after application
9%	3. Broadcast P w/ No tillage/no incorporation
4%	4. Broadcast P over a standing crop/cover crop
11%	5. Banded application of P utilizing strip tillage or planter

16. Rank the top three most limiting factors to higher corn yields on your fields. (1,2,3)

*Note: percentages calculated out of 424 responses

1	2	3	
4%	4%	5%	Soil test P is too low
6%	8%	13%	Nitrogen rate is too low
8%	8%	10%	Soil pH is too low (or too high)
10%	13%	26%	Pests including weeds, insects, slugs
47%	26%	10%	Soil drainage not adequate
23%	34%	17%	Soil compaction
2%	6%	13%	Tillage program

17. In what way will cover crops help mitigate P loss from farm fields? (select all that apply)

16%	Will increase P soil test level
10%	Will increase K soil test level
5%	Will increase soil pH to 6.8
80%	May decrease soil erosion
76%	May improve water infiltration
3%	None of the above

18. What is the Critical Soil Test Level for Phosphorous (P) for corn and soybeans?

	Bray P1 ppm (lbs/A)	or	Mehlich 3 ICP ppm (lbs/A)
46%	1. 15 ppm (30 lbs/A)		≈ 28 ppm (56 lbs/A)
17%	2. 30 ppm (60 lbs/A)		≈ 46 ppm (92 lbs/A)
20%	3. 40 ppm (80 lbs/A)		≈ 58 ppm (116 lbs/A)
2%	4. 50 ppm (100 lbs/A)		≈ 70 ppm (140 lbs/A)
2%	None of the above		