

# 2017 ILLINOIS NUTRIENT LOSS REDUCTION STRATEGY SURVEY

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**United States  
 Department of  
 Agriculture**



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 STATISTICS  
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The information you provide will be used for statistical purposes only. Your responses will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection provisions of Title V, Subtitle A, Public Law 107-347 and other applicable Federal laws. For more information on how we protect your information please visit: <https://www.nass.usda.gov/confidentiality>. Response is **voluntary**.

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According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB number is 0535-0218. The time required to complete this information collection is estimated to average 25 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

## Section 1 – Cropland Acres

Please report your total cropland acres on all the land you operated in 2017. Also, provide a breakdown of acres with tiling and without tiling. **NOTE: TILE DRAINED** acres refers to acres drained by clay tiles, perforated plastic pipes, and pattern tile systems.

1. Of all land operated in 2017 how many acres were:

- a. Total cropland acres? . . . . .
- b. Cropland acres on TILE DRAINED ground? . . . . .
- c. Cropland acres on non-TILE DRAINED ground? . . . . .

**2017  
 Acres**

104
105
106

**Section 2 – Nutrient Management**

Please consider your nutrient applications in preparation for the 2017 crop season.

	2017 Acres
1. Total <b>CORN ACRES</b> in 2017? .....	
a. On how many acres did you use the Maximum Return To Nitrogen (MRTN) strategy <b>to help determine</b> NITROGEN application rates? .....	202
b. On how many acres did you use other industry-recommended techniques <b>to help determine</b> NITROGEN application rates? (e.g., Fertilizer provider, crop consultant, farm management software).	
2. Of the total <b>CORN ACRES</b> in 2017, please record the acres fertilized with the strategies listed below. <b>Include</b> fertilizer applications in the preceding fall and winter, as well as pre-plant and post-plant applications. <b>Exclude</b> manure applications.	

**NITROGEN**

- a. Fall/ Winter NITROGEN fertilizer was applied with a nitrification inhibitor . . .
- b. Spring NITROGEN fertilizer was applied with a nitrification inhibitor . . . . .
- c. Fall/ Winter NITROGEN fertilizer was 50% or less of total nitrogen, with reminder applied as pre-plant in the Spring . . . . .
- d. Fall/ Winter NITROGEN fertilizer was 0% of total nitrogen fertilizer (all Spring applications) . . . . .
- e. Less than 50% Fall/ Winter applications, with remaining NITROGEN fertilizer applications split between pre-plant and side-dress applications .....

2017 Crop Season Non-Tiled Acres	2017 Crop Season Tiled Acres
	305
	307
	308

**PHOSPHORUS**

- f. On how many acres have you reduced your PHOSPHORUS application rates since 2011?
- g. On how many acres have you changed the placement of your PHOSPHORUS applications to move from broadcast to subsurface application or banding application?


**Section 3 – Reasons for reducing PHOSPHORUS applications.**

If you did reduce your PHOSPHORUS applications since 2011, please tell us the reasons that influenced your decision.	On how many acres did you reduce your PHOSPHORUS applications?
The Illinois Agronomy Handbook removal rates for PHOSPHORUS were updated	701
Soil test information	702
Other reasons, including cost. Please list reason(s):	703

**Section 4 – Edge of Field Practices for TILE-DRAINED Land**

- 1. Of all your **TILE-DRAINED** acres:

2017 Acres

a. How many of those acres drain into woodchip BIOREACTORS? (A woodchip bioreactor is a trench filled with wood chips and is typically located at the end of a tile system, just before the tile flow enters a drainage ditch or leaves the property.) . . . . .	502
b. How many of those acres drain into Constructed Wetlands? (Constructed Wetlands are typically built at the end of a tile system to capture and treat nutrient runoff.) . . . . .	503
c. How many of those acres drain into Saturated Buffers? (Saturated Buffers are typically built at the end of a tile system and use vegetated areas to reduce nitrate loading to surface water.) . . . . .	504

**Section 5 – Cover Crops (tiled and non-tiled acres)**

- COVER CROPS oats, radishes, winter wheat, rye, and many others.
- TILE-DRAINED acres refers to acres drained by clay tiles, perforated plastic pipes, and pattern tile systems.

**Tile-drained acres    Non Tile-drained Acres**

How many Corn/Soybean acres were planted to COVER CROPS in 2017? Include cover crop seeding while the 2017 crop is still standing and after the 2017 crop was harvested.	404	405
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**Section 6 – General Knowledge**

1. Please read each statement about your level of knowledge for each category listed. Circle the response that best reflects your opinion about your level of knowledge.

a. What is your level of knowledge about the Illinois Nutrient Loss Reduction Strategy? (Please circle one)

<b>1 = Not at all Knowledgeable</b>	<b>2 = Slightly Knowledgeable</b>	<b>3 =Somewhat Knowledgeable</b>	<b>4= Knowledgeable</b>	<b>5 = Very Knowledgeable</b>	. . . . .	<b>Code</b> 505
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b. What is your level of knowledge about the Maximum Return to Nitrogen (MRTN) strategy? (Please circle one)

<b>1 = Not at all Knowledgeable</b>	<b>2 = Slightly Knowledgeable</b>	<b>3 =Somewhat Knowledgeable</b>	<b>4= Knowledgeable</b>	<b>5 = Very Knowledgeable</b>	. . . . .	506
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c. What is your level of knowledge about woodchip Bioreactors? (Please circle one)

<b>1 = Not at all Knowledgeable</b>	<b>2 = Slightly Knowledgeable</b>	<b>3 =Somewhat Knowledgeable</b>	<b>4= Knowledgeable</b>	<b>5 = Very Knowledgeable</b>	. . . . .	507
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d. What is your level of knowledge about Constructed Wetlands? (Please circle one)

<b>1 = Not at all Knowledgeable</b>	<b>2 = Slightly Knowledgeable</b>	<b>3 =Somewhat Knowledgeable</b>	<b>4= Knowledgeable</b>	<b>5 = Very Knowledgeable</b>	. . . . .	508
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e. What is your level of knowledge about cover crop management (species selection, planting dates, termination strategy, etc.? (Please circle one)

<b>1 = Not at all Knowledgeable</b>	<b>2 = Slightly Knowledgeable</b>	<b>3 =Somewhat Knowledgeable</b>	<b>4= Knowledgeable</b>	<b>5 = Very Knowledgeable</b>	. . . . .	
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**Section 7 – Other techniques**

What other practices are you using to reduce Nutrient losses from your fields? Please explain.	On how many acres are you using these practices?
	701
	702
	703

**COMMENTS:**

**Survey Results:**

Would you rather have a brief summary mailed to you at a later date? . . . . .  Yes  No

9990
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Respondent Name: _____	9911	9910	MM	DD	YY
Phone: _____	Date: _____				

**This completes the survey. Thank you for your help.**

Response		Respondent		Mode		Enum.	Eval.	Change	Office Use for POID			
1-Comp	9901	1-Op/Mgr	9902	1-Mail	9903	9998	9900	9985	9989			
2-R		2-Sp		2-Tel					-----			
3-Inac		3-Acct/Bkpr		3-Face-to-Face					-----			
4-Office Hold		4-Partner		4-CATI					-----			
5-R – Est		9-Oth		5-Web					-----			
6-Inac – Est				6-e-mail					-----			
7-Off Hold – Est				7-Fax					-----			
		8-CAPI	-----									
		19-Other	-----									
S/E Name									9907	9908	9906	9916