

# ILLINOIS NUTRIENT LOSS REDUCTION STRATEGY SURVEY

OMB No.0535-NEW  
 Approval Expires: XX/XX/XXXX  
 Project Code: 483  
 Survey ID: 3879  
 FIPS: 17



**USDA/NASS - Illinois**  
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Please make corrections to name, address, and ZIP Code, if necessary.

The information you provide will be used for statistical purposes only. Your response 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 and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 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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## SECTION 1 - CROPLAND ACRES

Please report your total cropland acres on all the land you operated in 2023. 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.

Please report your operation's total cropland acres on all the land you operated including a breakdown of acres with tile drained and non-tile drained in 2023.

**Note:** TILE DRAINED acres refers to acres drained by clay tiles, perforated plastic pipes, and pattern tile systems.

1. Of all land operated in 2023, how many acres were:	Tile Drained	Non-tile Drained	TOTAL
a. Acres planted to corn? .....	115	116	114
b. Acres planted to soybeans? .....	125	126	124
c. Other acres of cropland? .....	135	136	134
d. Total cropland? .....	105	106	104

**SECTION 2 - NUTRIENT MANAGEMENT**

Please consider your nutrient applications in preparation for the 2023 crop season. Review the enclosed map of Illinois and the table of Nitrogen application rates. The goal is to gather the number of CORN acres your operation fertilized AT or BELOW the Maximum Return to Nitrogen (MRTN) rate for the area.

Consider the total CORN acres in 2023 and all the Nitrogen applications to those acres:

2021 ACRES

1. On how many CORN acres did your operation use the University of Illinois Recommended total Nitrogen rate (also known as Maximum Return to Nitrogen - MRTN) or LESS than that rate?  
(refer to the attached map and chart) .....

202
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a. What influenced your operation's decision in determining the total Nitrogen rate (e.g. fertilizer provider, crop consultant, farm management software, etc.) List all that apply.

210

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2. Of the total CORN ACRES in 2023, please record the acres fertilized with the strategies listed below.

EXCLUDE manure applications.

Please consider all the acres of CORN your operation planted in 2023, and all the fertilizer your operation applied for that crop.

CORN ACRES

a. How many CORN acres were fertilized with dry fertilizer blends containing Nitrogen in the fall and winter preceding 2023? .....

215
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b. How many CORN acres were fertilized with Anhydrous Ammonia during the fall and winter preceding 2023? .....

216
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i. Of those acres fertilized with Anhydrous Ammonia in the fall and winter, on how many acres did your operation fertilize using a nitrification or urease inhibitor? .....

217
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c. Of the operation's total CORN acres, how many acres were part of a split-application, where some of the Nitrogen was applied in the spring and some in fall or winter (split application acres)? .....

218
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d. How many CORN acres were fertilized with 100% of your operation's needs during the spring of 2023 (spring only Nitrogen applications)? .....

219
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e. Of all the acres your operation fertilized in the spring with Nitrogen, including split application acres and spring only acres, on how many acres did your operation fertilize using a nitrification or urease inhibitor? .....

220
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**SECTION 3 - PHOSPHORUS APPLICATIONS and REASONS for REDUCING**

1. Did your operation reduce PHOSPHORUS applications since 2013?

1  Yes - Continue      3  No - Go to Section 4

ACRES

a. On how many acres has your operation reduced phosphorus applications since 2013? .....

350
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2. What influenced your operation's decision in reducing phosphorus applications:

a. The Illinois Agronomy Handbook removal rates for phosphorus were updated in 2019?1

Yes  -Continue      3      No  - Go to page 3, question 2b

ACRES

i. On how many acres did your operation reduce phosphorus applications because of Illinois Agronomy Handbook? .....

701
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**SECTION 3 - PHOSPHORUS APPLICATIONS and REASONS for REDUCING, Continued**

2b. Soil test Information?

1  Yes - Continue      3  No - Go to question 2c

i. On how many acres did your operation reduce phosphorus applications because of the soil test results? .....

ACRES
702

2c. Other reasons, including cost: Please list below.

710

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i. If other reasons, on how many acres did your operation reduce phosphorus applications?.....

ACRES
703

3. Has your operation changed the placement of phosphorus to move from broadcast to subsurface application or banding application?

1  Yes - Continue      3  No - Go to Section 4

a. On how many acres did your operation change placement of phosphorus from broadcast to subsurface or banding? .....

ACRES
351

**SECTION 4 - COVER CROPS**

COVER CROPS refers to crops including grasses, legumes and forbs planted for conservation purposes, including erosion control, improving soil structure, moisture, and nutrient content, increasing beneficial soil biota, or providing habitat for insects, pollinators and wildlife.

1. On how many acres did your operation plant cover crops preceding the 2023 crop? .....

2021 ACRES
400
401
402

a. Of those acres, how many acres utilized cover crops prior to CORN? .....

b. Of those acres, how many acres utilized cover crops prior to SOYBEANS? EXCLUDE double-crop soybeans planted after winter wheat cash crop. ....

**SECTION 5 - GENERAL KNOWLEDGE**

For these next questions please enter the code that best describes your level of knowledge.

1. What is your level of knowledge of:

- a. The Illinois Nutrient Loss Reduction Strategy? .....
- b. Maximum Return to Nitrogen (MRTN) strategy? .....
- c. Wood chip bioreactors? .....
- d. Constructed Wetlands? .....
- e. Cover crop management (species selection, planting dates, termination strategy, etc.)? .....
- f. Saturated buffers? .....

CODES	ENTER CODE
1 - Not at all knowledgeable	517
2 - Slightly knowledgeable	506
3 - Somewhat knowledgeable	508
4 - Knowledgeable	518
5 - Very knowledgeable	519
	520

**SECTION 6 - OTHER TECHNIQUES**

1. Does this operation use any other practices to reduce nutrient losses from your fields?

1  Yes - Continue      3  No - Go to Survey Results

2. What practices are you using? Please list/explain below

**ACRES  
PRACTICES USED**

810  
a. Specify: \_\_\_\_\_  
\_\_\_\_\_

801

811  
b. Specify: \_\_\_\_\_  
\_\_\_\_\_

802

812  
c. Specify: \_\_\_\_\_  
\_\_\_\_\_

803

**Survey Results:** To receive the complete results of this survey on the release date, go to: [nass.usda.gov/results](http://nass.usda.gov/results)

To have a brief summary emailed to you, please enter your email address:

1095

Comments related to the information you reported:

**Contact Information**

Operation Email: (if different from above)

Operation Phone:

9937	9936 (_____) _____	check if cell phone <input type="checkbox"/>
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Respondent Name:

Respondent Phone: (if different from above)

9912	9911 (_____) _____	check if cell phone <input type="checkbox"/>	9910    MM    DD    YY Date:    -    -    -    -
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This completes the survey. Thank you for your help.

**OFFICE USE ONLY**

Response	Respondent	Mode	Enum.	Eval.	Change	Office Use for POID					
1-Comp	9901	1-PASI (Mail)	9903	9998	9900	9985	9989    -    -    -    -    -    -				
2-R	2-Spouse	2-PATI (Tel)									
3-Inac	3-Acct/Bkpr	3-PAPI (Face-to-Face)									
4-Office Hold	4-Partner	6-Email					Optional Use				
5-R - Est	9-Other	7-Fax					9921	9907	9908	9906	9916
6-Inac - Est		19-Other									
7-Off Hold - Est											
S/E Name											