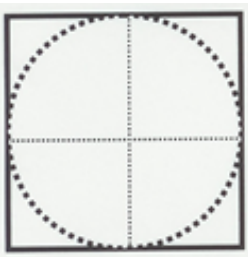
2017 Phase III Annual Report
Bazile Groundwater Management Area
USE ONE FORM PER CROP and FIELD!

Submit to LCNRD by April 1, 2018

Owner:	**Operator:**

Crop consultant:

Section



PART I - GENERAL FIELD INFORMATION: **Please include a current aerial photo**

FSA farm #:	**FSA tract #:**	**County:** Knox	**Crop year:** 2017
Legal description:		**Acres in field:**	
Field name:		**Total season rainfall** (if known):	**inches**
Is this field irrigated?		**LCNRD well # or Well registration #** (if applicable):	

PART II – 2017 CROP INFORMATION: **Crop planted 2017** **Sketch field & crop layout**

1.	**Acres planted**	**2017 crop yield**	**bu/ac**	**If N fertilizer was not applied in 2017 skip to PART III**	
2.	**Water nitrate results:** Most recent irrigation sampling results for your well - provided with annual report packet				**ppm NO_{-3}**
3.	**Average nitrogen available from the soil:** Soil test results from Fall 2016 or Spring 2017- see instruction sheet				**lb N/ac**
4.	**Irrigation water applied (if irrigated)** (check one) ☐ Measured ☐ Estimated				**inches**
5.	**2017 commercial nitrogen application:**	2017 pre-plant/pre-emerge	**Total lbs N/ac**	**List types of N:**	
		2017 post-emerge/sidedress/chemigation	**Total lbs N/ac**	**List types of N:**	
6.	**N inhibitor use:**	**Name of inhibitor used**		**Acres treated**	

PART III – 2018 CROP GOALS: **Planned 2018 crop** **acres** **If N fertilizer is not planned in 2018 skip to end**

7.	**Yield goal**	**= 5 year average plus 5%** (avg x 1.05)	**bu/ac**
8.	**Total nitrogen needed to meet yield goal**	**= (line 7 x 1.2) + 35** (for corn)	**lbs/ac**
9.	**Nitrogen available from 6 inches of water**	**= line 2 x 1.3**	**lbs/ac**
10.	**Nitrogen available from 2017 legume crop**	**For soybeans use 45 lbs/ac** – for alfalfa see instruction sheet	**lbs/ac**
11.	**Nitrogen available from manure**	**See instruction sheet**	**lbs/ac**
12.	**Type of manure applied**	**Method of manure application**	
13.	**Soil nitrate available to crop**	**= 8 x line D** (from PART IV)	**lbs/ac**
14.	**Organic matter N available to crop**	**= 0.14 x line 7 x line F** (from PART IV)	**lbs/ac**
15.	**NRD nitrogen recommendation**	**= line 8 – (line 9 + 10 + 11 + 13 + 14)**	**lbs/ac**

PART IV – FALL 2017 OR SPRING 2018 DEEP SOIL SAMPLE RESULTS:		**Sample #1**	**Sample #2**	**Sample #3**	**Sample #4**	**Sample #5**
A.	**Soil sample identification number** (from lab report)					
B.	**Acres represented per sample** (Approx. 40 ac/sample)					
C.	**Nitrogen available from the soil - using weighted average to represent soil profile** - See instruction sheet	**ppm**	**ppm**	**ppm**	**ppm**	**ppm**
D.	**Average nitrogen available from the soil** – avg. line C		**ppm**	**Use this value to calculate line 13 – PART III**		
E.	**% organic matter – If less than 1.0% use 1.0, if more than 3.0% use 3.0, otherwise use actual %**					
F.	**Average organic matter =** average from line E		**% OM**	**Use this value to calculate line 14 - PART III**		

I certify that to the best of my knowledge the information I have provided for this report is accurate and correct.

Signature_____ Date_____