2021 Phase III Annual Report Bazile Groundwater Management Area

USE ONE FORM PER CROP and FIELD

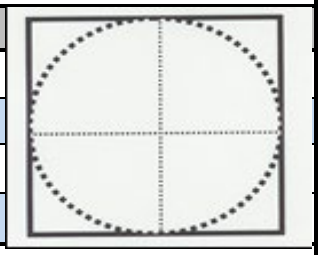
Submit to LCNRD by March 15, 2022

Owner: **Cell Phone Number:**	**Operator *or* Owner/Operator:** **Cell Phone Number:**

Do you work with a Crop Consultant? ☐ Yes ☐ No

Name of Crop Consultant (if used): NA

Section



PART I - GENERAL FIELD INFORMATION: 2021

Include a current aerial photo with fields marked.

Field Name		**County** Knox	**Crop Year** 2021
Legal Description			
Acres in Field		**N Certification Expiration:**	
Is this field irrigated?		**LCNRD Well # or Well Registration #** (if applicable):	

PART II - 2021 CROP INFORMATION:

Crop Planted 2021

Sketch field & crop layout

1.	**Acres Planted**		**2021 Crop Yield**	**bu/ac**	**Complete even if no Nitrogen fertilizer was applied**
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 2020 or spring 2021 - see instruction sheet.				**lb N/ac**
4.	**Irrigation Water Applied (if irrigated):** (check one) ☐ Measured ☐ Estimated				**inches**
5.	**2021 Commercial Nitrogen Applied**	2021 pre-plant/pre-emerge **Check box if none applied** ☐	**Total lbs/ac**	**List types of N applied**	
		2021 post-emerge/sidedress/chemigation **Check box if none applied** ☐	**Total lbs/ac**	**List types of N applied**	
6.	**2021 Nitrogen Inhibitor Use**	**List name of inhibitor used or check box if none applied** ☐		**Acres treated with inhibitor**	

PART III CROP GOALS: 2022

Planned 2022 Crop _____ **# acres** _____ **Complete all information applicable for this field**

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"** (from Part II) **x 1.3**	**lbs/ac**
10.	**Nitrogen available from 2020 legume crop**	**For soybeans use 45 lbs/ac** – for alfalfa see instructions	**lbs/ac**
11.	**Nitrogen available from manure**	**See instructions**	**lbs/ac**
12.	**List type of manure applied**	**List 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.	**UNL Nitrogen recommendation**	**= Line 8 – Lines 9, 10, 11, 13, and 14**	**lbs/ac**

PART IV – Fall 2021 or Spring 2022 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. 40ac / 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**		

Requesting Deep Soil Cost Share? Circle One Y N ***Report # A21-_____***