



**2020 Phase III Annual Report Bazile
Groundwater Management Area
USE ONE FORM PER CROP and FIELD!
Submit to LCNRD by **March 1, 2021****

Owner:	Operator:
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Crop Consultant:	Section
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<u>PART I - GENERAL FIELD INFORMATION:</u> Please include a current aerial photo.			
Field Name	County Knox	Crop Year 2020	
Legal Description			
Acres in Field	Total Season Rainfall (if known)	inches	
Is this field irrigated?	LCNRD Well # or Well Registration # (if applicable):		

<u>PART II - 2020 CROP INFORMATION:</u>		Crop Planted 2020	Sketch field & crop layout	
1.	Acres Planted	2020 Crop Yield	bu/ac	Complete as applicable even if no Nitrogen fertilizer 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 2019 or spring 2020 - see instruction sheet.			lb N/ac
4.	Irrigation Water Applied (if irrigated): (check one) <input type="checkbox"/> Measured <input type="checkbox"/> Estimated			inches
5.	2020 Commercial Nitrogen Application	2020 pre-plant/pre-emerge	Total lbs/ac	List Types of N
		2020 post-emerge/sidedress/chemigation	Total lbs/ac	List Types of N
6.	N Inhibitor Use	Name of inhibitor used	Acres Treated	

<u>PART III - 2021 CROP GOALS:</u>		Planned 2021 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" x 1.3			lbs/ac
10.	Nitrogen available from 2020 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 "E" (from PART IV).			lbs/ac
16.	UNL Nitrogen recommendation.	= Line 8 – Lines 9, 10, 11, 13, and 14			lbs/ac

<u>PART IV - Fall 2020 or Spring 2021 Deep Soil Sample Results:</u>		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		