4R Nutrient Management Plan Worksheet

1) Farm Information

Enterprise Name (Farm or Business name):	
Contact Information – Farmer (Name, Address, Phone, Email)	
Contact Information – Adviser (Professional Agrologist, Certified Crop Adviser, or Consulting Agronomist)	
Dates That This Plan Will be Implemented (Month/Year):	
Enterprise Description (total number of fields etc)	
Total Crop Area:	
Crops Grown:	
Livestock and/or Poultry (Describe):	
On Farm Nutrient Sources (ex. Manure, Composts, and Other Materials) and volume available annually:	
Quantity of Manure Produced on Site:	

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2) Goals and Indicators Related to Nutrients:

	Goals	Performance Indicators *(ex. Yield, quality of crop, nutrient use efficiency etc)*
Economic *(eg. Maximize net returns on cultivated acres, for every dollar spent on fertilizer)*		
Environmental *(eg. Reduce nitrous oxide emissions from nitrogen fertilizer application, minimize nutrient load in runoff)*		
Social *(eg. Produce nutritious, abundant and affordable food, contribute to economic growth of municipality)*		

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Farming 4R Land

3) Production Information (For Each Field or Management Zone):

Legal location and/or GPS coordinates (please attach a map and description):			
Field or Management Zone Name or Number:		**Area (size, acres):**	
Management System- are you applying variable rate?		**Number of Management Zones:**	

Previous Crops:		**Specific Crop(s) for This Planning Event:**	
Previous Yield and Quality:			
Realistic Target Yield and Quality:			
Landscape Topography and Soil Drainage Characteristics (eg. well drained, poorly drained etc, if tile drainage is present, describe design.):			

Soil Testing Results, Date of Last Test:

Sampling method (eg. Hand sampler, hydraulic sampler)?

Sampling pattern and number of samples (eg. 20 random samples, benchmark, management zone, or grid sampled etc)?

Who did the sampling (eg. Self, ag-retail, or consultant)?

Laboratory used for analysis?

Please indicate the units as ppm or pounds/acre or kg/hectare						
Depth of sampling, indicate which apply: eg. surface sampled, 0-6inches (0-15 cm) or 0-12 inches (0-30 cm), subsurface sampled 6-12 inches (15-30 cm), 12-24 inches (30-60 cm), or other depths sampled						
Organic Matter (%):		**Nitrate – Nitrogen:**		**P:**		**K:**
Texture:		**S:**		**Cu:**		**Mn:**
pH:		**Mg:**		**Fe:**		
CEC:		**Ca:**		**B:**		
Soil Type (eg. Dark Brown, black etc.		**Zn:**		**Cl:**		

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Manure Analysis, Date of Analysis (if applicable):				
Please indicate the units as lbs/ton, ppm, kg/tonne, etc				
Moisture %			Copper:	
Total N:			Calcium	
Ammonium N:			Magnesium:	
Total P:			Sodium:	
Total P_2O_5			Iron:	
Total K:			Manganese:	
Total K_2O:			Zinc:	

Right	Current Practice in Cropping System	Recommended BMP'S (Nitrous Oxide Emission Reduction protocol (NERP) based for N)	BMP to Improve Cropping System Performance	Performance Indicator (ex. Yield, quality, soil erosion etc)
Source				
N		Ammonium – based formulation		
P				
Other Nutrients				
Rate				
N		Using annual soil testing and/or N balance to determine application rate		
P		Using annual soil testing		
Other Nutrients				

Time				
N		Apply N in spring; or split apply or apply after soil cools in fall		
P		Seed applied, spring applied		
Other Nutrients				
Place				
N		Apply in bands/injection		
P		Seed-placed or banded		
Other Nutrients				

Crop Nutrient Requirements, please state the source of your information:			
Crop	**N (kg/ha)**	**P (kg/ha)**	**K (kg/ha)**

Application	Source (commercial fertilizer, manure, non-agricultural source materials (NASM), analysis N-P_2O_5-K_2O-S)	Rate (include units)	Time (date, crop growth stage)	Place (depth, method)
1				
2				
3				
4				

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