U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MN-CPA-023
Rev. 06/02

FIELD NUTRIENT MANAGEMENT PLAN
For Crop Year _____

Farm # _____ Tract # _____ Field # _____ Acres

Field Name _____ Sensitive Features

Soil and Soil Test Information

	NO_3-N (lbs/acre)	P (ppm)	K (ppm)	Organic Matter (%)	pH	
1.	___	___	___	___	___	Soil Name _____
						Soil Texture _____

Crop Nutrient Recommendation

Planned Crop _____ Realistic Yield Goal** _____

Previous Crop _____ Quality/Yield _____

UM Nitrogen Recommendation Used
- ☐ Standard
- ☐ Western MN Soil Nitrate Test (2 ft.)
- ☐ Corn Soil Nitrogen Test (Spring 2 ft)**

	N	P_2O_5	K_2O	
		(pounds per acre)		
2.	___	___	___	UM Nutrient Recommendation**

Any 1st Year Legume Nitrogen Credits are accounted for in Line 2 Recommendation

Nutrient Credits

3. (-) _____ 2nd Year Legume Nitrogen Credit** Previous Crop/Quality
4. (-) _____ 2nd Year Manure Nitrogen Credit **

5.	_____	_____	_____	**Net Nutrients Needed**

PLANNED NUTRIENT APPLICATIONS

						N	P_2O_5	K_2O
						(pounds per acre)		
6.	_____	_____	_____	**Manure Applications Planned – 1st Year Credit**				
				Source	Timing Method Rate			
				_____				
				_____				
7.	_____	_____	_____	**Commercial Fertilizer Applications**				
				Material/Analysis	Timing Method Rate			
				_____				
				_____				
8.	_____	_____	_____	**Total Nutrients to be Applied in Planning Year**				
	(pounds per acre)							

Sensitive Area Practices

_____

_____

_____

_____

** *See instructions* Date_____

MN-CPA-023 Instructions

Enter the sensitive feature(s) if any occurring on or adjacent to this field.

1. Record soil test results. Include Phosphorus, Potassium, Organic Matter and pH. Indicate phosphorus test as Bray P1(Weak Bray) or Olsen. Also record Nitrate nitrogen results when using the Western Minnesota Soil Nitrate Test.

2. This block is used to show Univ. of Minnesota nutrient recommendations for the planned crop. The recommendations account for N, P and K contained in the soil profile including nitrogen to be supplied by the previous legume crop. **Procedures to calculate U of Mn recommendations are found in the most recent versions of Univ. of Minn. Extension Service publications including **BU-6240-E, Fertilizer Recommendations for Agronomic Crops in Minnesota** and **FO-6514-C, A Soil Nitrogen Test Option for N Recommendations with Corn.** Consult these references for instructions

Record the planned crop and realistic yield goal. **Realistic yield goals are the average of the most recent five years excluding the lowest yielding year. Record the previous crop and quality (yield or plants/ft.^{2}). **Check(√)** the procedure being used to determine nitrogen recommendations (**"**Standard" refers to N recommendations based only on the soil organic matter content)..

3. Line 3 is used to deduct 2nd year legume N credits from N recommendations based on organic matter content Record the crop and its quality grown 2 years prior to the planned crop. 2nd year legume credits can be found in BU-6240-E, Fertilizer Recommendations for Agronomic Crops in Minnesota. ****Do not deduct 2nd year legume credits when 1st year legume credits are part of line 2 recommendations. Do not deduct 2nd year legume N credits when the Western Minnesota nitrate testing procedure is used**.

4. Line 4 is used to deduct 2nd year manure credits from N recommendations based on the **standard N** recommendation procedure. ****2nd year manure credits are not deducted if N recommendations are based on either of the nitrate tests**. Manure credits can be computed by using NRCS form **MN-CPA-35, dtd. 6/02**.

5. Line 5 is used to show the amount of nutrients, that the planned crop needs, from either manure and/or commercial fertilizer. Nutrient credits from lines 3 and 4 are summed and subtracted from line 2. A negative value (the sum of lines 3 and 4 is greater than line 2) indicates more nutrients available than the planned crop needs (enter 0 instead of the negative number on line 5). A positive value indicates the amount of net nutrients still needed by the planned crop (enter this need on line 5).

6. Line 6 is used to show nutrients available from planned manure applications. Planned applications include applications from the previous fall and winter if the plan is prepared in the spring. Account for N from planned manure applications when the standard N recommendation procedure is used. **Account for N from planned manure applications when N nutrient recommendations are based on nitrate tests if: a. the nitrate test is taken prior to a fall or spring application, or b. if the application occurs in wintertime (after Dec. 1).**

Indicate the manure source, and proposed application timing and method and rate (gal./acre or tons/acre) in the middle columns. Determine available nutrients from the planned rate by using the references described in #4 above. Record on the right hand columns. Sum the credits if applicable and record on the left-hand column.

7. Line 7 is used to show planned commercial fertilizer applications. Enter the sum of commercial fertilizer nutrients to be applied as lbs./acre N, P_2O_5 and K_2O (not as lbs./ac of a specific commercial fertilizer form) in the far left hand columns. When applicable enter application timing and method in the middle columns. If particular commercial fertilizer forms are specified enter application timing and method, fertilizer form(s) and rate(s) of the respective form(s) in the middle columns. The far right columns are used to indicate the amount of nutrients supplied by the specific form(s) at the specific rate(s) (again as lbs./acre N, P_2O_5 and K_2O). This amount or sum of amounts should equal the amount in the left-hand column.

8. Line 8 is used as a check to insure that planned applications satisfy nutrient needs as show on line 5. Total the left-hand columns of lines 6 and 7 and record. These values should be no less than line 5 values.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MN-CPA-023
10/01

FIELD NUTRIENT MANAGEMENT PLAN

For Crop Year 2002

Wilburt Hunter

Farm # 1653 Tract # 1252 Field # 12 Acres 25

Field Name Front 25 Sensitive Features Stream within 300 feet

Soil and Soil Test Information

	NO_3-N (lbs/acre)	P (ppm)	K (ppm)	Organic Matter (%)	pH
1.		19	93	4.3	6.6

Soil Name Racine RaB2

Soil Texture Silt Loam

Crop Nutrient Recommendation

Planned Crop Corn Realistic Yield Goal** 155

Previous Crop Soybeans Quality/Yield 50

UM Nitrogen Recommendation Used
__√__Standard
_____Western MN Soil Nitrate Test (2 ft.)
_____Corn Soil Nitrogen Test (Spring 2ft.)**

	N	P_2O_5	K_2O (pounds per acre)	
2.	150	15bc	70bc	UM Nutrient Recommendation**

Any 1st Year Legume Nitrogen Credits are accounted for in Line 2 Recommendation

Nutrient Credits

3. (-) _____ 2nd Year Legume Nitrogen Credit** Previous Crop/Quality Corn

4. (-) _____ 2nd Year Manure Nitrogen Credit**

5.	150	15	70	**Net Nutrients Needed**

PLANNED NUTRIENT APPLICATIONS

6. 80 67 83 Manure Applications Planned - 1st Year Credit

Source	Timing	Method	Rate	N	P_2O_5	K_2O (pounds per acre)
Dairy	Fall	Knife Inject	5,000	80	67	83

7. 69 _____ _____ Commercial Fertilizer Applications

Material/Analysis	Timing	Method	Rate	N	P_2O_5	K_2O (pounds per acre)
Urea (46-0-0)	Spring pre-plant	Broadcast-Inc	150 lbs	69		

8.	149	67	83	**Total Nutrients to be Applied in Planning Year**

Sensitive Area Practices

No wintertime manure applications within 300 feet of stream. No Manure applications within 50 feet of stream.

Install field edge filter strip.

**See instructions

Date 2/02