

Name: _____ Date: _____ Ident. No.: _____

Legal Desc.: _____ Field No.: _____ County: _____

Predominant soil type: _____	Crop: _____	Next crop: _____
Tillage system: _____	Yield goal: _____	Next yield: _____
Irrigated: <input type="checkbox"/> YES <input type="checkbox"/> NO	Previous crop: _____	Planned crop rotation: _____
Acres: _____	Previous yield: _____	

Soil test information:	Surface sample depth: _____ inches	Profile Cl: _____ lb/ac ppm
Soil texture: _____	Profile soil depth: _____ inches	Other: _____
Soil OM: _____	Surface profile NO ₃ -N: _____ lb/ac ppm	Other: _____
Soil pH: _____	Profile NO ₃ -N: _____ lb/ac ppm	Other: _____
Buffer pH: _____	Bray <input type="checkbox"/> Mehlich <input type="checkbox"/> Olsen P <input type="checkbox"/>	<i>(Legend: OM=organic matter; CEC=cation capacity; EC=electroconductivity; NO₃-N=nitrate nitrogen; K=potassium; Cl=chloride; P=phosphorus; Zn-DTPA=trisodium zinc diethylenetriaminepentaacetate; lb=pound; gm=gram; cm=centimeter; ppm=parts per million; meq=milliequivalents; mmhos=millimhos)</i>
CEC: _____ meq/100gm	(check one) _____ ppm	
Soil EC: _____ mmhos/cm	Exchange K: _____ ppm	
Soil sample date: _____	Sulfur: _____ lb/ac ppm	
	Zn-DTPA: _____ ppm	

Environmental risk assessment:

- | | | |
|--------------------------|--------------------------|------------------------------------------------------------------------|
| Y | N | |
| <input type="checkbox"/> | <input type="checkbox"/> | P total maximum daily load (TDML) area |
| <input type="checkbox"/> | <input type="checkbox"/> | Kansas Geological Survey ground water sensitive area |
| <input type="checkbox"/> | <input type="checkbox"/> | P soil test greater than 50 ppm Bray 1/Mehlich III |
| <input type="checkbox"/> | <input type="checkbox"/> | Irrigated field |
| <input type="checkbox"/> | <input type="checkbox"/> | Adjacent to homes, buildings, etc. |
| <input type="checkbox"/> | <input type="checkbox"/> | Shallow water tables (less than 10 feet deep) |
| <input type="checkbox"/> | <input type="checkbox"/> | Water well in field |
| <input type="checkbox"/> | <input type="checkbox"/> | Wellhead setback |
| <input type="checkbox"/> | <input type="checkbox"/> | Stream setbacks |
| <input type="checkbox"/> | <input type="checkbox"/> | Adjacent to intermittent/perennial stream (less than 300 feet) |
| <input type="checkbox"/> | <input type="checkbox"/> | Flood frequency class (occasional or greater) |
| <input type="checkbox"/> | <input type="checkbox"/> | Buffer strips present |
| <input type="checkbox"/> | <input type="checkbox"/> | Sheet/rill erosion concerns |
| <input type="checkbox"/> | <input type="checkbox"/> | Gully erosion concerns |
| <input type="checkbox"/> | <input type="checkbox"/> | Stream bank erosion concerns |
| <input type="checkbox"/> | <input type="checkbox"/> | Other environmental concerns (detail in producer long-term objectives) |

Environmental management indicators:

RUSLE soil erosion: _____ ton/acre

Phosphorus index (if needed) _____

Leaching index: (check one)

High Medium Low

Manure application: (check one)

None

Incorporated _____ days after application

Unincorporated

Subsurface injected

Irrigation system _____

Other _____

Suggested best management practices: (Use arrow key to advance to next line.)

Producer long-term nutrient objectives: (Use arrow key to advance to next line.)

Overall conservation plan objectives: (Use arrow key to advance to next line.)



Table 1: Crop Nutrient Requirements, Timing, and Sources

To activate this table, open and save Form KS-ECS-590wksht.xls to the hard drive of your personal computer. Double click the table to enter values. Position the table and click outside the table to exit and save entries.

			N	P ₂ O ₅	K ₂ O	S	Zn	Cl	Other	Lime
			lbs/acre							t/a ECCE
Total Nutrient Requirement										
			Nutrient Credits							
Profile Nitrate-N, chloride, sulfur										
Soil organic matter										
Previous crop adjustment										
Irrigation water										
Manure (from attached work sheet)										
Tillage										
Other										
			0	0	0	0	0	0	0	0
Planned Nutrient Application										
	Source/Material	Actual								
	Planting/starter									
	Broadcast - surface									
	Broadcast - incorporated									
	Knife - preplant									
	Sidedress									
	Top dress									
	Irrigation									
	Irrigation									
	Other									
	Other									
Total Nutrients Supplied			0	0	0	0	0	0	0	0

Legend: N=nitrogen; P₂O₅=phosphorus K₂O=potassium S=sulfur; Zn=zinc; Cl=chloride; lbs=pounds; t/a=tons per acre; ECCE=effective calcium carbonate equivalent

Location map: Import ArcView image, reference conservation plan map, or provide a sketch denoting field boundary, field number, land use, acres, and scale used.



Scale: _____

Technical Service Provider

Layout by _____ Date _____
 Designed by _____ Date _____
 Checked by _____ Date _____
 Approved by _____ Date _____

Producer's Statement

The design of this practice has been discussed with me, and I concur with the design. **No substitutions are allowed without the approval of the technical service provider.**

Signature _____ Date _____

Certification

This applied practice meets Kansas standards and specifications.

Technical Service Provider _____ Date _____

This practice has been applied as designed.

Producer _____ Date _____

