

**FY2003 KS EQIP APPLICATION EVALUATION WORKSHEET
 WATER QUANTITY - WATER MANAGEMENT
 (GROUND AND SURFACE WATER CONSERVATION)**

Attachment 7 to KS300-3-3
 Dated November 14, 2002

APPLICANT _____
 APPLICATION # _____
 TRACT # _____
 APPLICATION ACRES _____
 ADMINISTRATIVE (FSA) COUNTY _____
 LOCATION COUNTY _____
 STATE _____
 DOLLARS REQUESTED _____

REQUIREMENTS OF WATER QUANTITY RESOURCE CONCERN, if land continues to be irrigated:

- Producer must currently have or will install a functioning state approved water meter to state installation specifications (K.A.R. 5-1-6) before cost-share dollars are received.
- Producer must use an approved evapotranspiration (ET) based scheduling system.
 - * Producer will not exceed the calculated ET by 10 percent the first year of the contract, and will not exceed the calculated ET by 5 percent the remaining years of the contract.
- Well capacity must be able to meet the seasonal NIR, with 50% chance rainfall, for the crop grown.
- On the contract acres, the producer will stay within the certified rate and amount of existing water right at the time the EQIP contract is signed.
- No end gun is used on center pivot.
- Producer will not exceed five year average reported irrigated acres.
- Producer reports to the Division of Water Resources (DWR) will be used to determine the benchmark condition of net water savings. Producer will furnish reports from the previous three years to determine the average benchmark condition.

HIGH CATEGORY

PRIORITY #1 Land will be converted from irrigated to dryland, STARTING with the first full cropping season of _____ Percent of application acres the contract
 * Proper wellhead protection must be installed to ensure groundwater protection. Producer must _____ Acres converted to dry cropland
 verify that water rights will not be used elsewhere. _____ Acres converted to permanent vegetation

PRIORITY #2 * Producer will install a three year crop rotation that will reduce water use by 50 percent. The _____ Acres _____ Planned Inches producer will stay within a three year average of 1.5 years of the Net Irrigation Requirement (NIR) for corn (using 80 percent chance rainfall).
 * EXAMPLE: Thomas County NIR (80 percent chance) for corn = 15.4 inches _____ Maximum Inches Allowed
 (15.4 inches * 1.5 years) / 90 percent pivot efficiency = 25.7 inches for 3 years
 currently using crop rotation to meet these requirements

PRIORITY #3 ** Percent increase in irrigation efficiency is 25 percent or greater _____ Acres _____ Percent change in efficiency
 * use National Engineering Handbook, Part 652, Irrigation Guide, Table KS6-1 to determine irrigation efficiency.
 Acres converted to SDI _____ No. of SDI Systems _____
 Acres converted to Center Pivot _____ No. of CP Systems _____

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MEDIUM CATEGORY

PRIORITY #1 * Producer will install a three year crop rotation that will reduce water use by 40 percent. The producer will stay within a three year average of 1.8 years of the NIR for corn (using 80 percent chance rainfall). _____ Acres _____ Planned Inches
 _____ Maximum Inches Allowed
 currently using crop rotation to meet these requirements

PRIORITY #2 ** Percent increase in irrigation efficiency is 15 - 24 percent _____ Acres _____ Percent change in efficiency
 Acres converted to SDI _____ No. of SDI Systems _____
 Acres converted to Center Pivot _____ No. of CP Systems _____

LOW CATEGORY

PRIORITY #1 * Producer will install a three year crop rotation that will reduce water use by 30 percent. The producer will stay within a three year average of 2.1 years of the Net Irrigation Requirement (NIR) for corn (using 80 percent chance rainfall). _____ Acres _____ Planned Inches
 _____ Maximum Inches Allowed
 currently using crop rotation to meet these requirements

PRIORITY #2 ** Percent increase in irrigation efficiency is 10 - 14 percent _____ Acres _____ Percent change in efficiency
 Acres converted to SDI _____ No. of SDI Systems _____
 Acres converted to Center Pivot _____ No. of CP Systems _____

PRIORITY #3 Producer's current system meets at least 85% efficiency and producer will begin to use an evapotranspiration (ET) based scheduling system. _____ Acres

* Water saving crop rotation reduction will be prorated for the application acres.
 ** Percent increase in irrigation efficiency will be prorated for the irrigated application acres.