USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

# Environmental Quality Incentives Program (EQIP)

Worksheet
Salina, Kansas
December 2009

## Kansas Self-Assessment Worksheet - Cropland

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**1) Name or Entity:** List all who will be a party to the contract and identify as owner or operator. If desired, producer may provide copy of FSA-156EZ.

_____

_____

PHONE NUMBER OF CONTACT (Home)_____(Cell)_____

**2) Location of Application Acres:** Please provide copies of maps with legal descriptions and all fields clearly marked.

**3) Benchmark Condition:** Please complete the following information for the offered acres. Answer the following questions: (circle **Yes** or **No**)

- Do you apply nutrients according to a current soil test (less than three years old)? (See Attachment 1 for soil sampling requirements) **Yes No**
- Are ditches, gullies, or other types of active erosion occurring? **Yes No** (Mark these areas on the map[s] provided)
- Do you have land sloughing off into streams or is streambank erosion occurring? **Yes No** (Mark these areas on the map[s] provided)
- Do you apply livestock waste? **Yes No**
- Do you now or have you ever rented or owned a no-till drill? **Yes No**

  If you answer yes to the above question:

  How many years owned?_____ rented?_____ No-till acres planted?_____

- What is your planned crop rotation? _____
- Are you planning on becoming a certified organic farm under the provision of the National Organic Standards? **Yes No**
- Are you currently certified to grow organic crops and/or livestock and following an approved Organic System/Farm Plan (OSP)? **Yes No**

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- Are you currently growing organic crops and/or livestock and following an OSP?
  **Yes No**

- Complete the **Cropping Management Inventory Worksheet** (Attachment 2).

## 4) Eligibility Requirements for EQIP:

- The following forms must be current and on file with the Farm Service Agency (FSA) for all contract participants that would receive financial assistance. Please verify with FSA.
  - Form AD-1026, Highly Erodible Land Conservation and Wetland Conservation Certification
  - Form CCC-901A, Member's Information (for entity and joint operations only)
  - Form CCC-926, Payment Eligibility – Average Adjusted Gross Income Certification
- If applicant is not the landowner, the applicant must also furnish evidence of control of the land for the contract period. *(This may be a written lease or other legal agreement, a letter from the owner indicating the participant will have control of the acres for the life of the contract, or a statement signed and dated by the owner indicating control by the participant for the life of the contract.)* Landowners must sign the contract if the operator cannot provide control of land documentation or if a structural practice will be installed.
- If applicable, a participant will need to furnish a copy of the corporate charter, bylaws, court orders of appointment, trust agreement, last will and testament, or articles of partnership clearly designating who has signature authority for the entity or joint operation.
- If applicable, Form FSA-211, Power of Attorney (POA) will be required. A legally developed POA, is also acceptable.
- Prior to contract approval, participants must agree and set contract shares and identify one decision maker (point of contact) for the contract.
- If applicant is the landowner, the tenant must be given the opportunity to participate if management practices are receiving financial assistance.

## 5) Contract Management Practice Limits:

Each participant may earn up to $50,000 in total EQIP management practice payments for any ranking category (for example: Water Quality, Grazing Lands Health, etc.). Management practice payments shall not exceed $50,000 per contract or participant.

## 6) Program Participation:

Do you participate in any of the following program contracts listed below or will you be party to any other current year EQIP applications in Kansas? **Yes No**

- ☐ *Conservation Reserve Program*
- ☐ *Conservation Security Program*
- ☐ *Conservation Stewardship Program*
- ☐ *Farm and Ranch Lands Protection Program*
- ☐ *Grassland Reserve Program*
- ☐ *Wildlife Habitat Incentives Program*
- ☐ *Wetlands Reserve Program*

If yes, please list the servicing U. S. Department of Agriculture county office and number of active contracts or current year's applications.

_____

_____

**7)** Have you ever cancelled an EQIP contract or had an EQIP contract terminated?

**Yes No**

**8) Certification:**

This Self-Assessment Worksheet must be completed and signed by you prior to the EQIP application evaluation cutoff date in order to receive additional points in the EQIP ranking.

I have read and answered all the questions on this worksheet and provided the information requested to the best of my ability.

_____ _____

Signature Date

## Attachment 1: Guidelines for Soil Sampling:

The value of a soil sample is to determine the average nutrient status of a field. Sampling procedures should also identify nutrient variability in the field to accommodate nutrient application adjustments that will reduce costs and potential nutrient loss from the field. The sampling procedure determines the quality and usefulness of the soil test information. These guidelines indicate minimum soil sampling guidelines.

A. Divide Fields: The sampling zones or grids should represent uniform areas such as soil type, slope, cropping history, known crop differences, or other factors that would indicate or influence nutrient levels in the soil.

1. Samples shall represent no more than 40 acres unless field nutrient history has been established with evidence of at least two prior soil tests.*
2. Separate samples by topographic features:
    a. Hilltops represented by one sample.
    b. Side slopes or eroded areas represented by one sample.
    c. Low areas represented by one sample.
3. Separate samples by cropping history, manure applications, cultural differences in the field, yield responses (i.e., yield maps or visual observation), soil type, or any other features that might influence crop nutrient response.

B. Sampling Depth:

1. Surface Samples 0″ to 6″ (i.e., P, K, pH and OM)
    a. In long-term, reduced, or no-till systems, samples of 0″ to 3″ may reveal a potential soil acidity (pH) change from nutrient application methods.
    b. When sampling for mobile nutrients such as nitrate, sulfur, and chloride, (minimum 10 cores per 20 surface cores) collect a separate 6″ to 24″ sample.

C. Core Collection:

1. Maintain consistent core depth by marking collection tool.
2. 15 to 20 cores per sample.
3. Random core collection to represent the entire area being sampled, avoid loading and feeding areas, dead furrows, old fence rows, etc., that would give unusual results.
4. Collect cores in a clean plastic container.
5. Collect a continuous core that will represent the entire sample layer.
6. Collect sample from compressed or firm soil to assure consistence, e.g., from vehicle track.
7. Thoroughly mix sample, keep cool or air dry at room temperature, and immediately submit samples to the laboratory.

D. Timing of Sampling: Early enough to use for nutrient management plan development. At least 2 to 4 weeks prior to planting or fertilizing of the intended crop.

E. Frequency:

1. A sample is considered current if no older than three years for P, K, pH and Zn.
2. Sample at least once during each crop rotation cycle until field history is established.
3. When sampling for mobile nutrients (i.e., nitrates), annually sample prior to planting crops where N will be applied.**

*Prior soil samples would have taken field variability into consideration and should establish that the field uniformly responds to nutrient applications, and there are no differences in management strategies or cropping sequences since the field history was established.

**For example in a wheat, sorghum, and soybean rotation, sample in the fall prior to planting wheat and sample in late winter or spring prior to sorghum. Sampling for the soybeans is not required since they “fix” the amount of N needed for growth.

# Cropping Management Inventory Worksheet

**(Please Complete One Form Per Cropping System)**

**Producer:**
**Planner:**
**Crop Rot:**
**Location:**

**Tract No.**
**Field No./s**
**Field No./s Terraced**
**Field No./s w/Buffers or Filters**

**Primary Farming Direction**
**Field No./s** (N-S)
(E-W)
(Contour)

**Field No./s Irrigated**

## Crop and Operation Management Records/Residue Calculations

| Oper. # (1,2,3) | Operation Date (date) | Crop (name) | (List typical field operations from harvest to planting for each crop in the rotation) Operation (name) | Irr. Applied (in/ac.) | Crop Yield (units/ac) | Comments |
|---|---|---|---|---|---|---|
| | - | - | **Start Rotation** | | - - | |
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## Crop and Operation Management Records/Residue Calculations

| Oper. # (1,2,3) | Operation Date (date) | Crop (name) | (List typical field operations from harvest to planting for each crop in the rotation) Operation (name) | Irr. Applied (in/ac.) | Crop Yield (units/ac) | Comments |
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# List of Operations

**Drills**
Drill or air seeder single disk openers 7-10 in spac.
Drill or air seeder single disk openers, + fert. opnrs 7-10 in spac.
Drill or air seeder tee slot openers 7-10 in spac.
Drill or air seeder, hoe opener in hvy residue
Drill or air seeder, hoe/chisel openers 12-15 in spac.
Drill or air seeder, hoe/chisel openers 6-12 in spac.
Drill or airseeder, dble disk opnr w/ fluted coult 5x10 paired row
Drill or airseeder, double disk
Drill or airseeder, double disk opener, w/ fert openers
Drill or airseeder, double disk, w/ fluted coulters
Drill or airseeder, offset double disk openers
Drill, air seeder, sweep or band opener
Drill, deep furrow 12 to 18 in spacing
Drill, double disk, 7-8" packer C
Drill, heavy, direct seed, dbl disk opnr
Drill, heavy, direct seed, dbl disk opnr w/row cleaners
Drill, range
Drill, semi-deep furrow 12 to 18 in spacing

**Planters**
Planter, double disk opener on 12 inch high beds
Planter, double disk opener on 15 inch high beds
Planter, double disk opener on 18 inch high beds
Planter, double disk opener on 8 inch high beds
Planter, double disk opnr
Planter, double disk opnr w/fluted coulter
Planter, double disk opnr, 18 in rows
Planter, furrow opener in 4 inch deep furrows
Planter, furrow opener in 6 inch deep furrows
Planter, furrow opener in 8 inch deep furrows
Planter, in-row subsoiler
Planter, in-row subsoiler low disturbace
Planter, in-row subsoiler w/ residue mgr.
Planter, narrow slot w/smooth or rippled coulter
Planter, ridge till
Planter, runner opener
Planter, small veg seed
Planter, small veg seed on 8 inch high beds
Planter, sprig conventional
Planter, sprig, no-till
Planter, strip till
Planter, sugarcane
Planter, transplanter, vegetable
Planter, transplanter, vegetable on 8 inch high beds
Planter, transplanter, vegetable, no-till
Planter, tree, mechanical transplanter
Planting, broadcast seeder

**Field Cultivators**
Cultivator, field, spike
Cultivator, field, sweeps, 9"-16"

**Chisels and Rippers**
Chisel, straight points
Chisel, sweeps, 9-16" sp
Chisel, twisted points
Chisel-disk, straight points
Chisel-disk, twisted points
Chisel-disk-harrow-packer (comb)
Subsoiler, 16-24 inch spacing
Subsoiler, 30-36 inch spacing
Subsoiler-bedder, (ripper/hipper)
Para-plow or Para-till
Subsoiler, in row

**Disks**
Disk, offset, heavy
Disk, offset, heavy 12 in depth
Disk, offset, heavy 15 in depth
Disk, tandem heavy primary op.
Disk, tandem light finishing
Disk, tandem secondary op.

**Plows**
Plow, disk
Plow, moldboard
Plow, moldboard 10 inch depth
Plow, moldboard 6-7 inch depth
Plow, moldboard, conservation
Plow, moldboard, up hill
Plow, reversable

**Fertilizer Applications**
Fert applic. anhyd knife 12 in
Fert applic. coulter, high press. inject 12 in
Fert applic. deep plcmt hvy shnk
Fert applic. shank low disturbance, 12 in
Fert applic. surface broadcast
Fert. applic. anhyd knife 30 in
Fert. applic., strip-till 30 in

**Ridgers and Dikers**
Bedder/Hipper/Lister 5"x30"
Bedder/Hipper/Lister 8"X40"
Land leveling, scraper, leveler, plane
Sand fighter
Furrow Diker, row crop

**Row Cultivators**
Cultivator, rowcrop, 1 in ridge
Cultivator, rowcrop, 3 in ridge
Cultivator, rowcrop, ridge till, pass 1
Cultivator, rowcrop, ridge till, pass 2

**Residue Reduction**
Bale residue
Burn, high
Burn, low
Burn, med
Grazing, 25%
Grazing, 50%
Grazing, 75%
Mower, flail or rotary
Windrower or Swather
Stubble busting, chopping, shredding
Stalk chopper, rotary
Stalk chopper, strip rotary

**Residues Added**
Manure injector, liquid high disturb.30 inch
Manure injector, liquid low disturb.15 inch
Manure injector, liquid low disturb.30 inch
Manure spreader, liquid
Manure spreader, slurry
Manure spreader, solid and semi-solid
Manure, liquid irrigation

**Harrows and Weeders**
Rodweeder, plain, early
Rodweeder, plain, late
Rotary Hoe
Mulch treader, backward
Mulch treader, forward
Harrow, rotary, spike
Harrow, spike tooth
Harrow, spring tooth
Harrow, tine tooth
Harrow, tine, on beds
Roller-Harrow, center cultivator

**Sweeps**
Sweep plow, 20-40 in sp
Sweep plow, wide, >40 in sp
Sweep plow, wide, w/treader

**Miscellaneous**
Rototiller, field
Aerator, field surface, ground driven
Packer, roller
Roller, on beds
Lister, 40 in
Aerial seeding
Knife, windrow dry beans
Strip till bed conditioner
Striptiller w/middlebuster on beds
Sprayer, post emergence

**(Please Complete One Form Per Cropping System)**

| | | | | | |
|---|---|---|---|---|---|
| **Producer:** | *I. B. Farmer* | **Tract No.** | *1035* | **Primary Farming Direction** | |
| **Planner:** | *Ima Savor* | **Field No./s** | *2,4 & 7* | **Field No./s** *4 & 7* | **(N-S)** |
| **Crop Rot:** | *Corn/soybeans* | | | | **(E-W)** |
| **Location:** | *Fumundarock KS.* | **Field No./s Terraced** | *2* | *2* | **(Contour)** |
| | | **Field No./s w/Buffers or Filters** | *7* | **Field No./s Irrigated** | |

## Crop and Operation Management Records/Residue Calculations

| Oper. # (1,2,3) | Operation Date (date) | Crop (name) | (List typical field operations from harvest to planting for each crop in the rotation) Operation (name) | Irr. Applied (in/ac.) | Crop Yield (units/ac) | Comments |
|---|---|---|---|---|---|---|
| | - | - | **Start Rotation** | | - - | |
| | *10/15/02* | *Corn* | Harvest | | *75bu* | |
| 1 | *11/15/02* | | *Chisel Straight Point* | | | |
| 2 | *3/1/03* | | *Disk Tandem Secondary* | | | |
| 3 | *4/15/03* | | *Fert. Applic anhyd knife 30in* | | | *100lbs Anhy* |
| 4 | *5/1/03* | | *Culivator, field sweeps* | | | |
| 5 | *5/15/03* | *Soybeans* | *Planter double disk opener* | | | |
| 6 | *6/15/03* | | *Sprayer post emerge* | | | *Touchdown 1lb/ac* |
| 7 | *10/15/03* | *Soybeans* | *Harvest* | | *35bu* | |
| 8 | *4/1/04* | | *Fert. Applic surface broadcast* | | | *150lbs Urea, 90lbs 18-46-0* |
| 9 | *4/10/04* | | *Sprayer post emerge* | | | *Atrazine 1.2lb and Roundup 1pt* |
| 10 | *4/15/04* | *Corn* | *Planter double disk opener* | | | |
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