

Conservation Security Program
Cropland and Hayland
Conservation Records

**This pages are designed to assist in preparing the documentation
necessary to participate in the CSP program.**



Crop Rotation and Management

Crop and Residue Management

Cultivation and Field Operations

Typical Field Operations

Crop Fertilizer Input

Pest Management Input

Irrigation Management

Farm Location Map

On this page, draw or attach a detailed map of your farm or ranch operation (field boundaries, access roads, streams, etc.). Include the location of conservation practices (fences, terraces, pipelines, etc.) you have installed on each field. Attach additional pages if necessary.



Property Location Map

Farm Map Legend

—— Property Boundary

==== Road

—X—X— Fence

■ Homestead

- - - - - Stream

② Field Number

● Well

○ Spring

Water

Ditch

—|—|—| Pipeline

—|—| Trough

Crop and Hay Land Inventory

Crop Rotation and Management

This worksheet will provide information regarding your crop varieties as well as the rotation they are grown on your operations. Please fill out this form if you have cropland or hayland that has a rotational sequence. Use the example below to fill out your information on the following page.

1. EXAMPLE: Crop Rotation and Management Worksheet

Tract Numbers	Field Numbers or Names	Typical Rotation Sequences									
		Yr 1	Yr 2	Yr 3	Yr 4	Yr 5	Yr 6	Yr 7	Yr 8	Yr 9	Yr 10
486	3 & 4	Perennial/Rye Grass Seed				Crimson	Winter Wheat				
695	5, 6, & 7	Alfalfa				Winter Wheat		Corn			
1311	1, 2, & 8	Winter Wheat	Spring Barley								

Additional Comments or Observations: _____

Crop and Hay Land Inventory

Crop Residue Management

This worksheet will provide information regarding the crop residue left on your fields as well as how it is removed. This worksheet does not apply to alfalfa, hay or other forage crops. You do not need to fill it out if you have forage crops, complete this form only if you have cropland.

Please refer to the example below for your reference and then fill out your information on the following page. Use the Residue Estimate table below when completing the *Estimated Amount of Residue* column.

Estimated pounds of residue per unit of yield	
Crop	Pounds of residue per unit of yield
Winter Wheat	80-110 pounds/bushel
Winter Barley	1.0-1.7 pounds/pound
Spring Wheat	70-100 pounds/bushel
Spring Barley	.85-1.5 pounds/pound
Spring Peas	.85-1.4 pounds/pound
Lentils	.85-1.4 pounds/pound
Oats	40-60 pounds/bushel
Corn / Grain	50-60 pounds/bushel
Grass / Seed	4.0-4.75 pounds/pound
Canola	2.5-2.75 pounds/pound
Clover Seed	.75-1.5 pounds/pound

Example: A 60 bushel per acre crop of winter wheat produces 4,800-6,600 pounds of residue per acre.

Note: The specific amount of residue produced by a crop depends on several factors. These include timing and amount of precipitation, temperatures, stored soil water, soil depth, crop variety and pests.

2. EXAMPLE: Crop and Residue Management Worksheet

Crop Grown	Planting Date	Harvest Date	Average Yield per Acre	Estimated Amount of Residue	Is Residue Removed?	Removal Method
Winter Wheat	10/1 to 10/5	8/1 to 8/10	100 bu (irr) 60 bu (NIrr)	10,000 lbs 5,500 lbs	N	----
Perennial Rye Grass	8/20	7/5 to 7/15	1500 lbs/ acre	7,000 lbs/acre	Y	Swath & Bale
Crimson Clover	8/15	6/25	800 lbs/acre	1,000 lbs/acre	N	----
Spring Barley	4/1	7/20	3,000 lbs/acre	3,700 lbs/acre	N	----
Corn	5/10	10/15 to 10/20	130 bu	7,800 lbs/acre	N	----
Potatoes	3/15 Early 5/1 Late	10/15 11/5		500 lbs/acre	N	----

Crop and Hay Land Inventory

2. Crop and Residue Management Worksheet

<i>Crop Grown</i>	<i>Planting Date</i>	<i>Harvest Date</i>	<i>Average Yield per Acre</i>	<i>Estimated Amount of Residue</i>	<i>Is Residue Removed?</i>	<i>Removal Method</i>

Additional Comments/Observations:

Crop and Hay Land Inventory

Cultivation and Field Operations

The *Cultivation and Field Operation Worksheet* provides information on your typical tillage operations, pest control, residue management, harvest and irrigation water application, fill out a worksheet for each crop in your rotation. On the next page you will find a list of typical tillage sequences to assist in the completion of the *Typical Operations for Crop* column. Refer to the example below for your reference and then fill out your information on the following page.

3. EXAMPLE: Cultivation and Field Operations Worksheet

Tract(s):	1778	Field(s):	1, 2, 3, 16, 20	
Crop Planted and Yield:	Potato 530 cwt., Winter Wheat 130 bu/acre	Previous Crop and Yield:	Alfalfa Hay 7 tons/acre	
<i>Include information on operations such as: tillage, spray, irrigation, grazing, harvest, pest control ect.</i>				
Date of Operation(s)	Typical Operation(s) for Crop	Comments on Operation(s)	Monthly Irrigation Dates	Irrigation Application
10/16	Heavy Offset Disk	12 inches deep		
10/20	Sub Soiler	30 inch spacing, 24 inch depth		
2/15	Tandem Disk		2/15-3/15	2 inches
3/15	Bedder, Disk Hiller			
4/1	Planter 30 inch Rows		4/1-5/1	3 inches
5/1	Cultivator, Disk Hiller on Beds		5/1-6/1	4 inches
5/10	Dammer Diker			
5/15	Insecticide Spray - Aerial			
6/1	Herbicide Spray - Aerial		6/1-7/1	6 inches
6/15	Insecticide Spray - Aerial			
7/1	Herbicide Spray - Aerial		7/1-8/1	8 inches
			8/1-9/15	6 inches
10/15	Harvest, Dig Potatoes		10/15-11/1	2 inches
10/18	Heavy Offset Disk + Harrow			
10/20	Surface Broadcast Fertilizer + harrow + cultipacker			
10/25	Double Disk Drill			
12/1	Herbicide Application - ground			
3/1	Herbicide Application - ground		3/1-5/1	5 inches
8/1	Harvest Wheat		3/1-5/1	12 inches

Crop and Hay Land Inventory

Typical Field Operations

Aerator, field surface, ground driven
Aerial seeding
Bale straw or residue
Bed shaper
Bed shaper, 12 in
Bedder, hipper, disk hiller
Bedder, hipper, hiller 12 in high
Bedder, hipper, hiller 15 in high
Bedder, hipper, hiller 18 in high
Burn residue
Chisel, st. pt.
Chisel, st. pt. 12 in deep
Chisel, st. pt. 15 in deep
Chisel, sweep shovel
Chisel, twisted shovel
Cultipacker, roller
Cultivator, field 6-12 in sweeps
Cultivator, field w/ spike points
Cultivator, hipper, disk hiller on beds
Cultivator, off bar w/disk hillers on beds
Cultivator, row - 1st pass ridge till
Cultivator, row - 2nd pass ridge till
Cultivator, row 1 in ridge
Cultivator, row 3 in ridge
Cultivator, row, high residue
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.
Drill or air seeder single disk openers 7-10 in space.
Drill or air seeder, hoe opener in hvy residue
Drill or air seeder, hoe/chisel openers 6-12 in space.
Drill or air seeder, double disk
Drill or air seeder, double disk opener, w/ fertilizer openers
Drill or air seeder, double disk, w/ fluted coulters
Drill or air seeder, offset double disk openers
Drill, air seeder, sweep or band opener
Drill, deep furrow 12 to 18 in spacing
Drill, heavy, direct seed, double disk opener

Drill, heavy, direct seed, double disk opener w/row cleaners
Drill, semi-deep furrow 12 to 18 in spacing
Fertilizer application. anhyd knife 12 in
Fertilizer application. deep plcmt hvy shank
Fertilizer application. surface broadcast
Fertilizer application, anhyd knife 30 in
Fertilizer application, strip-till 30 in
Furrow diker
Furrow shaper, torpedo
Graze, continuous
Graze, intensive rotational
Graze, rotational
Graze, stubble or residue
Harrow, coiled tine
Harrow, heavy
Harrow, rotary
Harrow, spike tooth
Harrow, tine, on beds
Harvest, grass or legume seed, leave forage
Harvest, grass seed, remove forage
Harvest, hay, grass
Harvest, hay, legume
Harvest, hay, no regrowth
Harvest, small grains, corn, peas, canola, mustard
Harvest, legume seed, remove forage
Harvest, root crops, digger
Harvest, silage
Harvest, snapper header
Harvest, stripper header
Knife, windrow dry beans
Land plane
Lister, 40 in
Manure injector
Manure spreader
Mower, swather, windrower
Mulch treader
Para-plow or para-till
Permeable weed barrier applicator
Planter, double disk opener
Planter, double disk opener w/fluted coulter
Planter, double disk opener, 18 in rows

Crop and Hay Land Inventory

Typical Field Operations

Planter, in-row subsoiler
Planter, small veg seed
Planter, strip till
Planter, transplanter, vegetable
Planter, transplanter, vegetable, no-till
Planting, broadcast seeder
Plastic mulch applicator 100 percent cover
Plastic mulch applicator 40 percent cover
Plastic mulch applicator 75 percent cover
Plastic mulch, 05 percent removal
Plastic mulch, 10 percent removal
Plastic mulch, 25 percent removal
Plastic mulch, 50 percent removal
Plastic mulch, remove
Plow, disk
Plow, moldboard
Plow, moldboard, conservation
Plow, moldboard, up hill
Plow, reversible
Pruning
Rodweeder
Roller, corrugated packer
Roller, on beds
Roller, residue

Roller, smooth
Rotary hoe
Rototiller, field
Rototiller, field, add residue
Rototiller, row cult add residue
Rototiller, row cultivator
Seedbed finisher
Shredder, flail or rotary
Shredder, rotary, regrow veg
Shredder, rotary, remove residue
Sprayer, kill weeds, volunteer for reduced/no till
Sprayer, post emergence
Strip-tiller w/middlebuster on beds
Subsoiler
Subsoiler bedder (ripper/hipper)
Subsoiler ripper, 24 to 40 in. deep
Sweep plow 20-40 in wide
Sweep plow wider than 40 in w/mulch treader
Sweep plow, wider than 40 in
Water mulch; off
Water mulch; on

Crop and Hay Land Inventory

Crop Fertilizer Input

This worksheet contains information on the nutrient applications on your operation. In the *Soil Test* column please indicate if your fertilizer application rate is based on soil test results. Please attach a copy of the latest soil test for each field.

Please refer to the example below for your reference and then fill out your information on the following page.

4. EXAMPLE: Crop Fertilizer Input Worksheet

Crop Grown	Field Number	Fertilizer Formulation	Application Rate lbs/ac	Application Method and Date	Application Depth	Soil Test
Perennial Rye Grass Seed	3 & 4	16-20-0	100 lbs/acre	Banded at fall planting	2 inches	Yes
Perennial Rye Grass	3 & 4	45-0-0	300 lbs/ acre	Broadcast in Feb. & application in April	Surface	No
Crimson Clover	3 & 4	None	----	----	----	----
Winter Wheat	3 & 4	16-20-0	100 lbs/acre	Banded at seeding in fall	2 inches	No
Winter Wheat	3 & 4	45-0-0	350 lbs/acre	Broadcast	----	No
Corn	5, 6, & 7	Feedlot Manure	10 tons/acre	Broadcast April	Disk to 4 inch depth	No
Alfalfa	5, 6, & 7	0-0-50-18	200 lbs/acre	Broadcast at seeding	Disk in	No
Potato	5, 6, & 7	20-10-10	500 lbs/acre	Banded at Planting	4 inches	Yes
Potato	5, 6, & 7	46-0-0	200 lbs/acre	Broadcast	Irrigated in	No

If irrigated, has water been tested for nitrates? Yes _____ No _____

If you have the results from this test, please attach them to this page for your planners reference.

Additional Comments/Observations: _____

Crop and Hay Land Inventory

Irrigation Management and System Description

This worksheet includes information on your irrigation method and description. Please refer to the information below to help complete this worksheet.

The following information gives examples of irrigation descriptions needed and will help to complete the *Irrigation System Description* column.

Sprinkler System Description:

- Mainline Size
- Lateral Spacing
- Sprinkler Head Spacing
- Nozzle Size
- Revolution/Set Time
- Speed of Gun
- Operating Pressure of Line
- Pressure Regulator Rating
- Flow to Irrigation System (GPM)

Surface System Description:

- Length of Fields
- Furrow/Border Spacing
- Grade at the end of the field: flat, moderate, steep
- Furrow Method: siphon tubes, gated pipe, dirt ditch, concrete ditch

Please refer to the example below for your reference and then fill out your information on the following page.

6. EXAMPLE: Irrigation Management and System Description Worksheet

Crop Grown	Tract Number	Field Numbers	Do you measure or monitor your water? If yes, explain	Irrigation System Description	Irrigation Dates
Alfalfa & Potatoes	696	5 & 6	Tensiometer	100 acre Center Pivot	5/15 - 8/20
Winter Wheat/ Corn	695	7	Hand feel method for moisture testing	15,000 ft of dirt ditch, 300 1.25 inch siphon tubes	5/1 - 7/1

