

Other Information: Please provide any other information that may be pertinent (i.e., irrigation, hail damage, etc.).

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SCI, STIR and Wind or Water Soil Erosion Loss Output (specify wind or water erosion)

<i>Soil conditioning index (SCI)</i>	<i>Average annual slope STIR</i>	<i>Wind erosion loss (tons/acre)</i>	<i>Water erosion loss (tons/acre)</i>

The **SCI** is the **Soil Conditioning Index** rating. If the calculated index is a negative value, soil organic matter levels are predicted to decline under that production system. If the index is a positive value, soil organic matter levels are predicted to increase under that system.

The **STIR** value is the **Soil Tillage Intensity Rating**. It utilizes the speed, depth, surface disturbance percent and tillage type parameters to calculate a tillage intensity rating for the system used in growing a crop or a rotation. STIR ratings tend to show the differences in the degree of soil disturbance between systems. The kind, severity and number of ground disturbing passes are evaluated for the entire cropping rotation as shown in the management description.

APPROVALS:

NRCS Conservationist

JOB APPROVAL AUTHORITY

Date

Producer

Date

CERTIFICATION:

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

NRCS Conservationist

JOB APPROVAL AUTHORITY

Date

Producer

Date

MT346-JS6

DATE DAY/MONTH/ YEAR	PLANNED FIELD OPERATIONS ^{2/3/} : INCLUDE <u>ALL</u> TILLAGE, FERTILIZING, PLANTING, PEST CONTROL, HARVEST, BALING, HAYING AND OTHER OPERATIONS. INCLUDE CUTTING HEIGHT AT HAYING AND HARVEST OF ALL CROPS.	CROP OR VEGETATION ^{4/}	% RESIDUE
4/25/10	Fertilizer: broadcast urea and P ₂ O ₅ , 200 lbs. of actual nitrogen and 40 lb P ₂ O ₅ of applied	Corn	85
4/25/10	Cultivator 12" spacing with 6" shovels and attached spring tooth harrow	Corn	65
4/29/10	Cultivator 12" spacing with 6" shovels and attached spring tooth harrow	Corn	55
5/1/10	Plant silage corn with double disk drill with 12" spacing, rubber packer wheels	Corn	45
5/1/10	50 lbs. total material of 20/20/0 added with seed	Corn	45
5/20/10	Furrow diker with shaper	Corn	40
6/10/10	Spray weeds: glyphosate	Corn	35
6/25-8/15	Furrow Irrigate 5 times (6/25, 7/1, 7/15, 8/1, 8/15) with total 20 inches	Corn	30
9/1/10	Harvest corn for silage 27 tons/ acre yield, stubble height 6 inches	Corn	90

^{1/} Include all crops in rotation and record if sheet is current or planned rotation.

^{2/} Field Operations: Be specific and complete (include equipment manufacturer, equipment name and model. Include tillage type, width and spacing. Example offset 16" disc with 12" spacing set to depth of 8". If more than one tillage operation is done at the same time, you may enter on separate lines with same date and indicate operations are done together. Include fertilizer operations with knife size, spacing and injector depth. Include all operations that are done on the crop or harvested crop residue including pesticide applications, haying and grazing. **Record stubble height** and % stubble remaining for all haying, baling and harvest operations.

^{3/} Enter crop and expected yield (specify units: bu./ac., lbs./ac., etc.).

^{4/} Use Page MT346-JS3 to record additional field operation(s) as needed.

Other Information: Please provide any other information that may be pertinent (i.e., irrigation, hail damage, etc.).

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<i>Soil conditioning index (SCI)</i>	<i>Average annual slope STIR</i>	<i>Wind erosion loss (tons/acre)</i>	<i>Water erosion loss (tons/acre)</i>
1.12	82.03	7.8	1.1

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APPROVALS:

<u>Joe the DC</u> NRCS Conservationist	<u>III</u> JOB APPROVAL AUTHORITY	<u>11/22/2011</u> Date
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<u>Joe the Producer</u> Producer		<u>11/22/2011</u> Date
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CERTIFICATION:

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

<u>Joe the DC</u> NRCS Conservationist	<u>III</u> JOB APPROVAL AUTHORITY	<u>11/22/2011</u> Date
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<u>Joe the Producer</u> Producer		<u>11/22/2011</u> Date
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