



Producer:

Location:

Farm Name:

Project or Contract:

County:

Tract Number:

Practice Lifespan – 1 year



Practice Purpose(s): (check all that apply)

Reduce sheet, rill and wind erosion and excessive sediment in surface waters

Reduce tillage-induced particulate emissions

Reduce water quality degradation

Maintain or increase soil health and organic matter content

Increase plant-available moisture

Reduce energy use

Provide food and escape cover for wildlife

Other: (Specify)

Description of work:

NRCS Use Only

Designed By:

Date

Checked By:

Date

Approved By:

Date

329 – Residue and Tillage Management, No Till Implementation Requirements

GENERAL CRITERIA:

Residue shall not be burned.

Distribute all residues uniformly over the entire field. Removing residue from directly within the seeding or transplanting area prior to or as part of the planting operation is acceptable.

This practice only involves an in-row soil disturbance operation during strip tillage, the planting operation, and a seed row/furrow closing device. There is no full-width soil disturbance performed from the time immediately following harvest or termination of one cash crop through harvest or termination of the next cash crop in the rotation regardless of the depth of the tillage operation.

The soil tillage intensity rating (STIR) value shall include all field operations that are performed during the crop interval between harvest and termination of the previous cash crop and harvest or termination of the current cash crop (includes fallow periods). The crop interval STIR value shall be no greater than 20.

SPECIFICATIONS:

To implement this practice, do the following:

- Utilize no-till, zone-till or strip-till equipment for crop establishment. Manage the amount, orientation and distribution of crop and other plant residue on the soil surface year round while limiting the soil-disturbing activities used to grow and harvest crops.
- Where reduction of sheet, rill and wind erosion, reduction of excessive sediment in surface waters, or reduction in tillage-induced particulate emissions are a planned purpose, field operations must provide the amount of randomly distributed surface residue needed, time of year residue needs to be present in the field, and amount of surface soil disturbance allowed to reduce erosion to T or less.
Check if applicable: _____
- Where maintaining or increasing soil health and organic matter content is a purpose, the soil condition index (SCI) for the cropping system must result in a positive rating. Check if applicable: _____
- Where Wildlife benefit is a primary purpose, provide the following information.
Check if applicable: _____
 - For small or large grain; percent of field to be left unharvested: _____
 - Leave crop residues undisturbed after harvest (do not shred or bale) to maximize the cover and food source benefits for wildlife
 - Minimize field operations prior to August 1st to avoid disturbance to nesting activities.
- If increase in plant-available moisture is a purpose, maintain a minimum cover of 60% residue on the soil surface throughout the year. Check if applicable: _____
- If energy use reduction is a stated purpose, the total energy consumption associated with field operations must be reduced by at least 25 percent compared to the benchmark condition. Use the current approved NRCS tool for determining energy use to document energy use reductions.
Check if applicable: _____ Calculated energy use reduction percentage: _____
- Follow the cropping sequence and field operations as listed below to meet desired goals.
(Complete the following table, or attach the erosion prediction output table showing planned operations with dates and vegetation.)

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Tract	Field Number(s)	Acres	Planned Crop	Planned Soil Loss (T/A/Y)	List All Field Operations Affecting Residue cover, Orientation and Surface Disturbance	Operation or Activity Timing (Month)	Calculated Value *	
							SCI	STIR

* Soil tillage intensity rating (STIR) value to accomplish purpose(s); must be shall be no greater than 20.

* If a practice purpose is 'Maintain or increase soil health and organic matter content' Soil conditioning index (SCI) value rating must be greater than 0.

Operation and Maintenance:

- Evaluate/measure the crop residues cover and orientation after each crop to ensure the planned amounts and orientation are being achieved. Adjust management as needed to either plan a new residue amount and orientation or adjust the planting and/or harvesting equipment.
- Limited tillage is allowed to close or level ruts from harvesting equipment. No more than 10 percent of the field may be tilled for this purpose.
- If there are areas of heavy residue accumulation due to water or wind in the field, spread the residue prior to planting so it does not interfere with planter operation.

Specific Additional Operation and Maintenance Requirements For Your Practice:

A map(s) showing all fields planned for Residue and Tillage Management-No Till is attached.

If you have questions about this planned **Residue and Tillage Management-No Till** practice contact:

Name:		Tel:		Email:	
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