United States Department of Agriculture
Natural Resources Conservation Service

329 - Residue and Tillage Management No Till/Strip Till/Direct Seed Implementation Requirements

Producer: _____ **Project or Contract:** _____

Location: _____ **County:** _____

Farm Name: _____ **Tract Number:** _____

Practice Location Map

(showing detailed aerial view of where practice is to be installed on farm/site, showing all major components, stationing, relative location to any landmarks, and survey benchmarks)

Index

____ Cover Sheet

____ Specifications
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____ Operation & Maintenance

Utility Safety / One-Call System Information

Description of work:

_____

NRCS Review Only

Designed By: _____ **Date:** _____

Checked By: _____ **Date:** _____

Approved By: _____ **Date:** _____

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

__ Reduce sheet, rill, and wind erosion.

__ Reduce tillage-induced particulate emissions.

__ Maintain or increase soil quality and organic matter content.

__ Reduce energy use.

__ Increase water use and precipitation storage efficiency.

__ Provide food and escape cover for wildlife

Attach a RUSLE2 and/or WEPS profile summary printout that displays:

1. Planned crop(s).
2. Specific equipment utilized for no till for each crop.
3. At a minimum specify the planned residue amounts for: (1) after harvest of the prior crop and (2) for planned residue cover after seeding the planned crop.
4. The Soil Tillage Intensity Rating (STIR) and Soil Condition Index (SCI).

Crop stubble height during the time of expected evaporation losses shall be:

__ At least 10 inches for crops with a row spacing of less than 15 inches;

__ At least 15 inches for crops with a row spacing of 15 inches or greater.

These stubble heights shall be present on at least 60% of the field.

Trapping Snow. Crop stubble height during the time significant snowfall is expected to occur shall be:

__ At least 10 inches for crops with a row spacing of less than 15 inches;

__ At least 15 inches for crops with a row spacing of 15 inches or greater.

These heights shall be present over at least 50% of the field.

Fall field operations that disturb residue shall be done as close to perpendicular as possible to the direction of prevailing winds during the time that significant snowfall is expected to occur.

Operation and Maintenance:

Evaluate/measure the crop residues cover and orientation after each crop to ensure the planned amounts and orientation are achieved. Adjust management as needed to maintain adjusted residue amount and orientation or adjust the planting and/or harvesting equipment.

ATTACHMENTS:

__ RUSLE2 and/or __ WEPS Printouts