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)

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____ 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 erosion.

☐ Reduce wind erosion and Particulate matter less than 10 micrometers in diameter - PM 10.

☐ Improve soil organic matter content.

☐ Reduce CO_2 losses from the soil.

☐ Reduce energy use.

☐ Increase plant-available moisture.

☐ Provide food and escape cover for wildlife

Attach a RUSLE2 Profile printout or a WEPS printout that displays:

1. Planned crop(s).
2. Specify the type of equipment for No Till/Strip Till/Direct Seed for each crop.
3. At a minimum specifies the planned residue amounts for: (1) after harvest of the prior crop and (2) the planned residue cover after seeding the planned crop.
4. The Soil Tillage Intensity Rating (STIR) and Soil Condition Index (SCI).

For the purpose to **Increase Plant-Available Moisture**: 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.

For the purpose to **Increase Plant-Available Moisture**: **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 being achieved. Adjust management as needed to either plan a new residue amount and orientation, or adjust the planting and/or harvesting equipment.

ATTACHMENTS:

__ RUSLE2 and/or __ WEPS Printouts