USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

329 Residue and Tillage Management, No Till
NJ Implementation Requirements

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

Location: _____ **County:** _____

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

Farm Number: _____ **Field Number:** _____

Practice Location

_____ The practice location is represented on the Conservation Plan Map or Practice Detail Map. The practice is represented by the following symbol and corresponding name in the map legend:

Symbol:

Name in Legend: _____

_____ The practice location is represented on the attached design.

Description of Work:

Full width tillage will not be performed within the fields during any part of the year. Only in row soil tillage and seed row/furrow closing devices are allowed to be used at the time of planting.

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_____ Cover Sheet

_____ Specifications (utilize the RUSLE2 Profile or WEPS Printouts that show operations and residue amounts. Fields will be specified on the printouts)

_N/A_ Drawings

_N/A_ Cost Estimate and Bid Form

_____ Operation & Maintenance

____ Certification Documentation *(when practice is implemented)*

_____ Other:

811 Know what's below. Call before you dig.

Utility Safety / One-Call System Information:

N/A

The Practice Purpose(s):

_____ Reduce sheet, rill and wind erosion

_____ Reduce tillage-induced particulate emissions

_____ Maintain or increase soil quality and organic matter content

_____ Reduce energy use

_____ Increase plant available moisture

_____ Provide food and escape cover for wildlife

Specifications:

RUSLE2 and/or WEPS Profile Summary Printout	
	Planned Crops *(management view printout)*
	Specific equipment utilized for no-till for each crop *(management view printout)*
	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 *(crop residue chart)*
	The Soil Tillage Intensity Rating (STIR) and Soil Condition Index (SCI) *(summary printout with the individual STIR values handwritten on the summary printout)*

Minimum Stubble Heights	
Stubble heights to prevent evaporation losses: (these stubble heights shall be present during the time of expected evaporation losses on at least 60% of the field)	
	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
Stubble heights needed for trapping snow: (these stubble heights shall be present during the time significant snowfall is expected to occur on at least 50% of the field)	
	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
*All fall field operations that disturb residue shall be done as close as perpendicular as possible to the direction of prevailing winds during the time that significant snowfall is expected to occur.	

Additional Planning Considerations:

Operation and Maintenance:

__X__ 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.

__X__ Limited tillage is allowed to close or level ruts from harvesting equipment. No more than 25% of the field may be tilled for this purpose.

__X__ If there are areas of heavy residue accumulation (because of movement by water or wind) in the field, spread the residue prior to planting so it does not interfere with planter operation.

329 Residue and Tillage Management, No-Till Practice Certification			
Tract Number(s):			
Field Number(s):			
Checked Out By:		Date:	
Signature:			
Reviewed By:		Date:	
Signature:			
Total Planned Acres:		Total Applied Acres:	
☐	Photos attached	☐	Location Marked on Map

☐ This practice was implemented according to the signed Conservation Plan and/or Implementation Requirements. The practice meets the Standards and Specifications and/or any additional requirements set forth in state policy needed to meet the criteria for the planned purpose(s) of the practice. The Operation and Maintenance requirements of the practice have been effectively communicated to the client and prompt follow through is reasonably expected.

☐ This practice was not implemented according to the signed Conservation Plan and/or Implementation Requirements. The inconsistencies with the Conservation Plan and/or Implementation Requirements of the practice are acceptable and the practice meets the Standards and Specifications and/or any additional requirements set forth in state policy. The inconsistencies listed below have been found, however, the requirements of the practice and its intended function are still being met.

☐ This practice was not implemented according to the specifications in the signed Conservation Plan/and or Implementation Requirements. The deficiencies of the practice are not acceptable and do not meet the Standards, Specifications, and/or any additional requirements set forth in state policy. The following deficiencies are listed below:
