

345 Residue and Tillage Management, Reduced 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 and operations will be performed using implements such as chisel plowing, field cultivating, tandem disking, vertical tillage, or ridge till. The amount, orientation, and distribution of the crop residues on the soil surface will be managed to limit soil disturbing activities used to grow and harvest crops. Specific tillage implements approved for this system can be found in the attached RUSLE2 and/or WEPS reports.

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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:



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

Specifications:

RUSLE2 and/or WEPS Profile Summary Printout	
	Planned Crops (<i>management view printout</i>)
	Specific equipment for each crop (<i>management view printout</i>)
	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 (<i>crop residue chart</i>)
	The Soil Tillage Intensity Rating (STIR) and Soil Condition Index (SCI) (<i>summary printout with the individual STIR values handwritten on the summary printout</i>)

Additional Specifications to Increase Plant – Available Moisture (check all that are appropriate)	
Reducing Evaporation from the Soil Surface	
	Maintain a minimum of 60% surface residue cover throughout the year
Trapping Snow – Maintain a crop stubble height during the time significant snowfall is expected to occur:	
	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
*Fall tillage operations shall leave the crop stubble in an upright position	
**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:

- Evaluate/measure the crop residue cover and orientation for each crop to ensure the planned amounts and orientation are being achieved. Adjust management as needed to either plan a new residue amount or orientation; or adjust the planting, tillage, or harvesting equipment.

- 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.

345 Residue and Tillage Management, Reduced Till Practice Certification			
Tract Number(s):			
Field Number(s):			
Checked Out By:		Date:	
Signature:			
Reviewed By:		Date:	
Signature:			
Total Planned Acres:		Total Applied Acres:	
<input type="checkbox"/>	Photos attached	<input type="checkbox"/>	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: