

**329 – Residue and Tillage Management No Till**

**Implementation Requirements**

# Producer:

|  |
| --- |
| Click here to enter text. |
| Click here to enter text. |
| Click here to enter text. |

**Project or Contract:**

**Location:**

**County:**

**Farm Name:**

**Tract Number:**

|  |
| --- |
| Click here to enter text. |
| Click here to enter text. |
| Click here to enter text. |

**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 |
| ☐ | Check box if printouts are used. (Utilize the erosion/tillage/rotation printouts that show operations and residue amounts - specify fields in printout) |
| ☐ | Operation & Maintenance |
| Utility Safety/ One-Call System Information |
| Click here to enter text. |

# Description of work:

Click here to enter text.

**NRCS Review Only**

|  |  |  |  |
| --- | --- | --- | --- |
| **Designed By:** | Click here to enter text. | **Date** | Click here to enter a date. |
| **Checked By:** | Click here to enter text. | **Date** | Click here to enter a date. |
| **Approved By:** | Click here to enter text. | **Date** | Click here to enter a date. |

|  |
| --- |
| **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 plant-available moisture. |
| ☐ | Provide food and escape cover for wildlife. |

**Complete the following table** (or, attach the Erosion/Tillage/Crop Rotation printout with the same information):

|  |  |  |  |
| --- | --- | --- | --- |
| **Field(s)** | Click here to enter text. |  |  |
| Planned crop(s) | Amount of residue produced by each crop (lbs/acre or % surface cover | List ALL fields operations or activities that affect residue cover, residue orientation, or surface disturbance | Operation or activity timing (month) |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |
| Crop | Residue | Field operations | Month |

# Amount of Residue and Timing of Residue Cover required to accomplish the purpose(s):

|  |  |  |
| --- | --- | --- |
| Planned crop(s) | Amount of residue required (lbs/acre or % surface cover) | Time of year residue must be present (month) |
| Crop | Residue | Month |
| Crop | Residue | Month |
| Crop | Residue | Month |
| Crop | Residue | Month |
| Crop | Residue | Month |
| Crop | Residue | Month |
| Crop | Residue | Month |

|  |  |
| --- | --- |
| **Soil tillage intensity rating (STIR) value to accomplish purpose(s); must** | **be <20** STIR value |
| **Soil conditioning index (SCI) value to accomplish purpose(s)** SCI value |

**Additional Required Documentation for Purpose of Increasing 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.  |

|  |
| --- |
| **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 stubble heights shall be present over at least 50% of the field.  |

|  |
| --- |
| **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. |
| * Limited tillage is allowed to close or level ruts from harvesting equipment. No more than 10% of the field may be tilled for this purpose.
 |
| ☐ | 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. |

**Attachments:** ☐ Erosion/tillage/crop rotation printout

# Planner Certification Statement:

I certify that implementation of this conservation practice is complete, meets criteria for the stated purpose(s), and meets the NRCS conservation practice standard and specifications.

|  |
| --- |
|  |
| X |
| Planner/Technical Service Provider |

 **Producer’s Statement**

 The design of this practice has been discussed with me and I concur with the design.

 The operation and maintenance (O&M) requirements for this practice have been discussed

 with me, and I agree to perform the necessary O&M for the life of the practice.

 No substitutions are allowed without the approval of the conservation planner or TSP.

|  |
| --- |
|  |
| X |
| Client (Producer) |