

## **DESIGN AND INSTALLATION GUIDE**

### **Residue And Tillage Management**

#### **Mulch Till (345)**

This practice shall be planned and installed in accordance with the NRCS standard, as detailed in Section IV of the North Dakota Field Office Technical Guide. This document provides conservation planners with additional parameters, procedures, and requirements for developing site-specific specifications for the design and installation of this practice.

#### **Determine Adequacy of Residue Production and Management**

Select a residue management system and any other essential conservation practice(s) resulting in predicted average annual wind erosion and water erosion rates below soil loss tolerance (T) for the design soil selected for the field. Soil loss tolerances are found in FOTG Section II. Calculate predicted erosion rates for the planned crop rotation, using data and instructions in the local FOTG Section I - Erosion Prediction sub-section. Other essential practices may include one or more of the following:

- Conservation Crop Rotation - 328
- Cover & Green Manure Crop - 340
- Windbreak/Shelterbelt Establishment - 380
- Stripcropping - 585
- Terrace - 600
- Diversion - 362