

**NATURAL RESOURCES CONSERVATION SERVICE
CONSTRUCTION SPECIFICATION**

CROSS WIND RIDGES

1. Scope

The work shall consist of tilling the soil or planting to create low ridges to offset adverse wind effects. Ridges will be established and maintained using normal tillage and planting equipment such as chisel plows, listers, drills with hoe openers, or similar implements.

2. Field Layout

Ridges will be constructed according to designed height, spacing and row direction to accomplish a value for Krd of 0.8 or greater as described in the National Agronomy Manual, Part 502, Section 502.32, or utilizing the Kansas version of the WEQ (Wind Erosion Equation) Excel Spreadsheet.

The ridges shall be aligned across the field at an angle from 65 to 90 degrees to the direction of the prevailing erosive winds during the critical wind erosion management period as described in the Practice Requirements Job Sheet.

The height of the ridges shall not be less than the height specified on the Practice Requirements sheet. The spacing between ridges shall be within the range specified on the Practice Requirements sheet.

Tillage equipment depth and speed will be adjusted to produce the maximum surface cloddiness. Equipment listed on the Practice Requirements Job Sheet will be used.

3. Maintenance

Ridges shall be maintained during the period specified on the Practice Requirements Job Sheet when wind erosion is expected to occur, or until growing crops provide enough cover to protect the soil from wind erosion.

If ridges become ineffective due to weathering or erosion, they shall be re-established unless doing so would damage a growing crop.

4. Other Requirements

The owner, operator, contractor, and other persons shall conduct all work and operations in accordance with proper safety codes for the type of equipment and operations being performed with due regard to the safety of all persons and their property.