

Lincoln County, Colorado

216—Wiley silt loam, 3 to 12 percent slopes

Map Unit Setting

Elevation: 3,500 to 6,500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 135 to 180 days

Map Unit Composition

Wiley and similar soils: 85 percent
Minor components: 15 percent

Description of Wiley

Setting

Landform: Hills
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and qualities

Slope: 3 to 12 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water capacity: High (about 10.8 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 4 inches: Silt loam
4 to 23 inches: Silty clay loam
23 to 60 inches: Silt loam

Minor Components

Fort collins

Percent of map unit: 5 percent
Landform: Hills
Landform position (three-dimensional): Side slope
Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Baca, cool

Percent of map unit: 5 percent

Landform: Plains

Landform position (two-dimensional): Summit, footslope

Pleasant

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Razor

Percent of map unit: 2 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: CLAYEY PLAINS (067XY042CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013