

Lincoln County, Colorado

215—Wiley silt loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,400 to 6,000 feet

Mean annual precipitation: 11 to 16 inches

Mean annual air temperature: 46 to 52 degrees F

Frost-free period: 135 to 155 days

Map Unit Composition

Wiley and similar soils: 85 percent

Minor components: 15 percent

Description of Wiley

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loess

Typical profile

Ap - 0 to 4 inches: moderately alkaline, silt loam

Btk - 4 to 23 inches: moderately alkaline, silty clay loam

C - 23 to 60 inches: strongly alkaline, silt loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural 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 in profile: 15 percent

Available water storage in profile: High (about 10.8 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Vona

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Pleasant

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Colby

Percent of map unit: 3 percent

Landform: Plains

Other vegetative classification: Loamy Plains (067XY002)

Karval

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: GRAVEL BREAKS
(067XY063CO_1)

Arvada

Percent of map unit: 3 percent

Landform: Fans, drainageways

Other vegetative classification: Salt Flat (069AY033CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013