

Map Unit Description

Cheyenne County, Colorado

54 Wiley complex, 0 to 3 percent slopes, eroded

Setting

Elevation: 4500 to 6500 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 48 to 54 degrees F
Frost-free period: 140 to 170 days

Composition

Wiley, eroded, and similar soils: 80 percent
Minor components: 20 percent

Description of Wiley, eroded

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loess

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.5 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 3 inches: silt loam
3 to 23 inches: silty clay loam, silt loam, clay loam
23 to 60 inches: silt loam, silty clay loam, loam

Minor Components

Colby

Percent of map unit: 10 percent

Baca

Percent of map unit: 6 percent

Stoneham

Percent of map unit: 4 percent