

Map Unit Description

Cheyenne County, Colorado

8 Colby silt loam, 1 to 4 percent slopes, eroded

Setting

Elevation: 4000 to 5500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 135 to 155 days

Composition

Colby, eroded, and similar soils: 70 percent
Minor components: 30 percent

Description of Colby, eroded

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 1 to 4 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 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 10.8 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 60 inches: silt loam

Minor Components

Wiley

Percent of map unit: 20 percent

Ulysses

Percent of map unit: 5 percent

Keith

Percent of map unit: 5 percent

Map Unit Description

Cheyenne County, Colorado

16 Goshen silt loam, 0 to 1 percent slopes

Setting

Elevation: 4000 to 5000 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 140 to 160 days

Composition

Goshen and similar soils: 70 percent
Minor components: 30 percent

Description of Goshen

Setting

Landform: Drainageways, swales
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Properties and Qualities

Slope: 0 to 1 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: 5 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.1 inches)

Interpretive Groups

Land capability classification (irrigated): 1
Land capability (non irrigated): 3c
Ecological site: Overflow (R067BY036CO)

Typical Profile

0 to 4 inches: silt loam
4 to 21 inches: silty clay loam
21 to 60 inches: silt loam

Minor Components

Keith

Percent of map unit: 10 percent

Richfield

Percent of map unit: 8 percent

Sampson

Percent of map unit: 6 percent

Satanta

Percent of map unit: 6 percent