

Map Unit Description

Cheyenne County, Colorado

20 Keith-Ulysses silt loams, 1 to 4 percent slopes

Setting

Elevation: 2600 to 6000 feet
Mean annual precipitation: 13 to 22 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 140 to 185 days

Composition

Keith and similar soils: 45 percent
Ulysses and similar soils: 30 percent
Minor components: 25 percent

Description of Keith

Setting

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

Properties and Qualities

Slope: 1 to 2 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.0 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 3e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 4 inches: silt loam
4 to 25 inches: silty clay loam
25 to 60 inches: silt loam

Description of Ulysses

Setting

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

Properties and Qualities

Slope: 2 to 4 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.8 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 8 inches: silt loam
8 to 60 inches: silt loam

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Minor Components

Colby

Percent of map unit: 10 percent

Goshen

Percent of map unit: 5 percent

Richfield

Percent of map unit: 5 percent

Wiley

Percent of map unit: 5 percent