

Cheyenne County, Colorado

19—Keith-Richfield silt loams, 0 to 2 percent slopes

Map Unit Setting

Elevation: 2,600 to 6,000 feet
Mean annual precipitation: 13 to 22 inches
Mean annual air temperature: 48 to 57 degrees F
Frost-free period: 140 to 185 days

Map Unit Composition

Keith and similar soils: 50 percent
Richfield and similar soils: 30 percent
Minor components: 20 percent

Description of Keith

Setting

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

Properties and qualities

Slope: 0 to 2 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: 5 percent
Available water capacity: High (about 11.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 2e
Land capability (nonirrigated): 3e
Hydrologic Soil Group: B
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 Richfield

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear

Parent material: Calcareous loess

Properties and qualities

Slope: 0 to 2 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 11.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 2e

Land capability (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 6 inches: Silt loam

6 to 24 inches: Silty clay loam

24 to 60 inches: Silt loam

Minor Components

Goshen

Percent of map unit: 10 percent

Ulysses

Percent of map unit: 5 percent

Satanta

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Cheyenne County, Colorado

Survey Area Data: Version 13, Dec 23, 2013