

# Map Unit Description

Cheyenne County, Colorado

## 19 Keith-Richfield silt loams, 0 to 2 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: 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  
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 Richfield

#### Setting

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

#### Properties and Qualities

Slope: 0 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: 15 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 6 inches: silt loam  
6 to 24 inches: silty clay loam

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24 to 60 inches: silt loam

## Minor Components

### Goshen

Percent of map unit: 10 percent

### Satanta

Percent of map unit: 5 percent

### Ulysses

Percent of map unit: 5 percent