

# 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