

## Map Unit Description

Yuma County, Colorado

### 10 Colby silt loam, 3 to 6 percent slopes

#### Setting

Elevation: 3500 to 4200 feet  
Mean annual precipitation: 15 to 17 inches  
Mean annual air temperature: 50 to 52 degrees F  
Frost-free period: 130 to 150 days

#### Composition

Colby and similar soils: 85 percent  
Minor components: 15 percent

#### Description of Colby

##### Setting

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

##### Properties and Qualities

Slope: 3 to 6 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 10.2 inches)

##### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R072XY001CO)

##### Typical Profile

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

#### Minor Components

##### Keith

Percent of map unit: 8 percent

##### Kuma

Percent of map unit: 7 percent