

# Map Unit Description

Yuma County, Colorado

## 11 Colby silt loam, 6 to 15 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: 90 percent  
Minor components: 10 percent

### Description of Colby

#### Setting

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

#### Properties and Qualities

Slope: 6 to 15 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): 6e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Slopes (R072XY007CO)

#### Typical Profile

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

### Minor Components

#### Kuma

Percent of map unit: 5 percent

#### Keith

Percent of map unit: 5 percent