

## 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

## Map Unit Description

Yuma County, Colorado

### 25 Kuma-Keith silt loams

#### Setting

Elevation: 3500 to 5400 feet  
Mean annual precipitation: 15 to 18 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 140 to 160 days

#### Composition

Kuma and similar soils: 55 percent  
Keith and similar soils: 30 percent  
Minor components: 15 percent

#### Description of Kuma

##### Setting

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

##### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 2 percent  
Available water capacity: High (about 11.1 inches)

##### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 2c  
Ecological site: Loamy Plains (R072XY001CO)

##### Typical Profile

0 to 10 inches: silt loam  
10 to 30 inches: silty clay loam  
30 to 60 inches: silt loam

#### Description of Keith

##### Setting

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

##### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 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): 2e  
Ecological site: Loamy Plains (R072XY001CO)

##### Typical Profile

0 to 4 inches: silt loam  
4 to 15 inches: silty clay loam

## Map Unit Description

Yuma County, Colorado

15 to 60 inches: silt loam

### Minor Components

#### Colby

Percent of map unit: 10 percent

#### Other soils

Percent of map unit: 3 percent

#### Aquic haplustolls

Percent of map unit: 2 percent

Landform: Depressions

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