

## Yuma County, Colorado

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

#### Map Unit Setting

*Elevation:* 3,500 to 4,200 feet  
*Mean annual precipitation:* 15 to 17 inches  
*Mean annual air temperature:* 50 to 52 degrees F  
*Frost-free period:* 130 to 150 days

#### Map Unit 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  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Available water capacity:* High (about 10.2 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability classification (irrigated):* 4e  
*Land capability (nonirrigated):* 4e  
*Hydrologic Soil Group:* B  
*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*

**Data Source Information**

Soil Survey Area: Yuma County, Colorado  
Survey Area Data: Version 14, Dec 23, 2013

## Yuma County, Colorado

### 25—Kuma-Keith silt loams

#### Map Unit Setting

*Elevation:* 3,500 to 5,400 feet  
*Mean annual precipitation:* 15 to 18 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 140 to 160 days

#### Map Unit 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  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 5.95 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 10 percent  
*Gypsum, maximum content:* 2 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* High (about 11.1 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated  
*Land capability classification (irrigated):* 2e  
*Land capability (nonirrigated):* 2c  
*Hydrologic Soil Group:* B  
*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  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.20 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Available water capacity:* High (about 10.8 inches)

**Interpretive groups**

*Farmland classification:* Prime farmland if irrigated  
*Land capability classification (irrigated):* 2e  
*Land capability (nonirrigated):* 2e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Plains (R072XY001CO)

**Typical profile**

*0 to 4 inches:* Silt loam  
*4 to 15 inches:* Silty clay loam  
*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

## Data Source Information

Soil Survey Area: Yuma County, Colorado  
Survey Area Data: Version 14, Dec 23, 2013