

## Yuma County, Colorado

### 11—Colby silt loam, 6 to 15 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:* 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

##### Typical profile

*H1 - 0 to 8 inches:* moderately alkaline, silt loam

*H2 - 8 to 60 inches:* moderately alkaline, silt loam

##### Properties and qualities

*Slope:* 6 to 15 percent

*Depth to restrictive feature:* More than 80 inches

*Natural 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 in profile:* 15 percent

*Available water storage in profile:* High (about 10.2 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* 6e

*Land capability classification (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Slopes (R072XY007CO)

#### Minor Components

##### Kuma

*Percent of map unit:* 5 percent

**Keith**

*Percent of map unit: 5 percent*

**Data Source Information**

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