

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