

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

Map Unit Description

Yuma County, Colorado

9 Canyon-Rock outcrop complex, 9 to 25 percent slopes

Setting

Elevation: 3500 to 4200 feet
Mean annual precipitation: 16 to 18 inches
Mean annual air temperature: 50 to 52 degrees F
Frost-free period: 130 to 150 days

Composition

Canyon and similar soils: 50 percent
Rock outcrop: 20 percent
Minor components: 30 percent

Description of Canyon

Setting

Landform: Valleys
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Ogallala formation sandstone

Properties and Qualities

Slope: 9 to 15 percent
Depth to restrictive feature: 6 to 20 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Very low (about 1.9 inches)

Interpretive Groups

Land capability (non irrigated): 6s
Ecological site: Limestone Breaks (R072XY060CO)

Typical Profile

0 to 8 inches: loam
8 to 12 inches: loam
12 to 16 inches: weathered bedrock

Description of Rock outcrop

Setting

Landform: Valleys
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous sandstone

Properties and Qualities

Slope: 9 to 25 percent
Depth to restrictive feature: 0 to 0 inches to Lithic bedrock
Capacity of the most limiting layer to transmit water (Ksat): Very low or moderately high (0.00 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Available water capacity: Very low (about 0.0 inches)

Interpretive Groups

Land capability (non irrigated): 8s

Typical Profile

0 to 60 inches: unweathered bedrock

Minor Components

Bayard

Percent of map unit: 20 percent

Map Unit Description

Yuma County, Colorado

Valent

Percent of map unit: 5 percent

Eckley

Percent of map unit: 5 percent