

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

Land capability classification (irrigated): 2e
Land capability (nonirrigated): 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
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

Land capability classification (irrigated): 2e
Land capability (nonirrigated): 2e
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

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Percent of map unit: 10 percent

Other soils

Percent of map unit: 3 percent

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Percent of map unit: 2 percent
Landform: Depressions

Data Source Information

Soil Survey Area: Yuma County, Colorado
Survey Area Data: Version 13, Feb 23, 2010