

Map Unit Description

Sedgwick County, Colorado

RaB Rago and kuma silt loams, 0 to 3 percent slopes

Setting

Landscape: Uplands
Elevation: 3200 to 5000 feet
Mean annual precipitation: 14 to 18 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 160 days

Composition

Rago and similar soils: 65 percent
Kuma and similar soils: 25 percent
Minor components: 10 percent

Description of Rago

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.7 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 5 inches: silt loam
5 to 13 inches: loam
13 to 24 inches: clay loam
24 to 40 inches: loam
40 to 60 inches: gravelly sandy loam

Description of Kuma

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Silty eolian deposits

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.6 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 6 inches: silt loam

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6 to 28 inches: silt loam
28 to 42 inches: silt loam
42 to 60 inches: silt loam

Minor Components

Richfield

Percent of map unit: 4 percent

Keith

Percent of map unit: 3 percent

Aquic haplustoll

Percent of map unit: 3 percent

Landform: Swales