

Map Unit Description

Sedgwick County, Colorado

KtA Keith and tripp loams, 0 to 1 percent slopes

Setting

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

Keith and similar soils: 50 percent
Tripp and similar soils: 45 percent
Minor components: 5 percent

Description of Keith

Setting

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

Properties and Qualities

Slope: 0 to 1 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.3 inches)

Interpretive Groups

Land capability classification (irrigated): 1
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 7 inches: loam
7 to 26 inches: loam
26 to 60 inches: silt loam

Description of Tripp

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or colluvium

Properties and Qualities

Slope: 0 to 1 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 9.8 inches)

Interpretive Groups

Land capability classification (irrigated): 1
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 8 inches: loam
8 to 18 inches: clay loam

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18 to 35 inches: loam
35 to 60 inches: loam

Minor Components

Chappell

Percent of map unit: 3 percent

Other soils

Percent of map unit: 2 percent