

Map Unit Description

Weld County, Colorado, Southern Part

31 Kim loam, 0 to 1 percent slopes

Setting

Elevation: 4900 to 5250 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 125 to 150 days

Composition

Kim and similar soils: 90 percent
Minor components: 10 percent

Description of Kim

Setting

Landform: Alluvial fans, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed eolian deposits derived from sedimentary rock

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 (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.0 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 12 inches: loam
12 to 42 inches: loam
42 to 60 inches: fine sandy loam

Minor Components

Otero

Percent of map unit: 10 percent

Map Unit Description

Weld County, Colorado, Southern Part

17 Colby loam, 5 to 9 percent slopes

Setting

Elevation: 4850 to 5050 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 135 to 155 days

Composition

Colby and similar soils: 90 percent
Minor components: 10 percent

Description of Colby

Setting

Landform: Ridges, hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous eolian deposits

Properties and Qualities

Slope: 5 to 9 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 10.6 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Loamy Slopes (R067BY008CO)

Typical Profile

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

Minor Components

Wiley

Percent of map unit: 10 percent