

Weld County, Colorado, Southern Part

34—Kim loam, 5 to 9 percent slopes

Map Unit Setting

Elevation: 4,900 to 5,250 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 125 to 150 days

Map Unit Composition

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

Description of Kim

Setting

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

Properties and qualities

Slope: 5 to 9 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: 15 percent
Available water capacity: Moderate (about 8.8 inches)

Interpretive groups

Farmland classification: Farmland of local importance
Land capability classification (irrigated): 4e
Land capability (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: Loamy Slopes (R067BY008CO)

Typical profile

0 to 10 inches: Loam
10 to 35 inches: Loam
35 to 60 inches: Fine sandy loam

Minor Components

Otero

Percent of map unit: 6 percent

Valent

Percent of map unit: 4 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014