

Weld County, Colorado, Southern Part

33—Kim loam, 3 to 5 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: Alluvial fans, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Mixed eolian deposits derived from sedimentary rock

Typical profile

H1 - 0 to 12 inches: moderately alkaline, loam

H2 - 12 to 40 inches: moderately alkaline, loam

H3 - 40 to 60 inches: moderately alkaline, fine sandy loam

Properties and qualities

Slope: 3 to 5 percent

Depth to restrictive feature: More than 80 inches

Natural 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 in profile: 15 percent

Available water storage in profile: Moderate (about 9.0 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Minor Components

Otero

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014