

Weld County, Colorado, Southern Part

32—Kim loam, 1 to 3 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

Properties and qualities

Slope: 1 to 3 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 9.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated

Land capability classification (irrigated): 3e

Land capability (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 12 inches: Loam

12 to 40 inches: Loam

40 to 60 inches: Fine sandy loam

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