

Map Unit Description

Weld County, Colorado, Southern Part

32 Kim loam, 1 to 3 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: 1 to 3 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: Moderate (about 9.0 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
 Land capability (non irrigated): 4e
 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