

## 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