

## 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

## Weld County, Colorado, Southern Part

### 40—Nunn loam, 1 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 4,550 to 5,000 feet

*Mean annual precipitation:* 12 to 18 inches

*Mean annual air temperature:* 46 to 54 degrees F

*Frost-free period:* 115 to 180 days

#### Map Unit Composition

*Nunn and similar soils:* 85 percent

*Minor components:* 15 percent

#### Description of Nunn

##### Setting

*Landform:* Terraces

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium

##### Typical profile

*H1 - 0 to 9 inches:* neutral, loam

*H2 - 9 to 29 inches:* neutral, clay loam

*H3 - 29 to 40 inches:* strongly alkaline, sandy loam

*H4 - 40 to 60 inches:* moderately alkaline, sandy loam

##### Properties and qualities

*Slope:* 1 to 3 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 low to moderately high (0.06 to 0.20 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

*Salinity, maximum in profile:* Nonsaline (0.0 to 2.0 mmhos/cm)

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

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* C

*Ecological site:* Loamy Plains (R067BY002CO)

#### Minor Components

##### Dacono

*Percent of map unit:* 5 percent

**Heldt**

*Percent of map unit: 4 percent*

**Altvan**

*Percent of map unit: 3 percent*

**Platner**

*Percent of map unit: 3 percent*

## **Data Source Information**

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