

## Weld County, Colorado, Southern Part

### 34—Kim loam, 5 to 9 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:* Plains, alluvial fans  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Mixed eolian deposits derived from sedimentary rock

##### Properties and qualities

*Slope:* 5 to 9 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 8.8 inches)

##### Interpretive groups

*Farmland classification:* Farmland of local importance  
*Land capability classification (irrigated):* 4e  
*Land capability (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* Loamy Slopes (R067BY008CO)

##### Typical profile

*0 to 10 inches:* Loam  
*10 to 35 inches:* Loam  
*35 to 60 inches:* Fine sandy loam

#### Minor Components

##### Otero

*Percent of map unit:* 6 percent

**Valent**

*Percent of map unit: 4 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

##### 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 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 content:* 15 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* Moderate (about 9.0 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated  
*Land capability classification (irrigated):* 2e  
*Land capability (nonirrigated):* 4c  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 9 inches:* Loam  
*9 to 29 inches:* Clay loam  
*29 to 40 inches:* Sandy loam  
*40 to 60 inches:* Sandy loam

#### 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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Survey Area Data: Version 12, Jan 3, 2014