

## Weld County, Colorado, Southern Part

### 32—Kim loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 362b

*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

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Kim and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### 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:* loam

*H2 - 12 to 40 inches:* loam

*H3 - 40 to 60 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*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

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* A

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Otero**

*Percent of map unit:* 10 percent

*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 17, Sep 10, 2018

## Weld County, Colorado, Southern Part

### 21—Dacono clay loam, 0 to 1 percent slopes

#### Map Unit Setting

*National map unit symbol:* 361y

*Elevation:* 4,550 to 4,970 feet

*Mean annual precipitation:* 14 to 18 inches

*Mean annual air temperature:* 48 to 52 degrees F

*Frost-free period:* 140 to 160 days

*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Dacono and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Dacono

##### Setting

*Landform:* Terraces

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Mixed alluvium

##### Typical profile

*H1 - 0 to 12 inches:* clay loam

*H2 - 12 to 21 inches:* clay loam

*H3 - 21 to 27 inches:* clay loam

*H4 - 27 to 60 inches:* very gravelly sand

##### Properties and qualities

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):*

Moderately high (0.20 to 0.60 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 to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 6.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2s

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* C

*Ecological site:* Clayey Plains (R067BY042CO)

*Hydric soil rating:* No

**Minor Components**

**Heldt**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

**Nunn**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

**Altvan**

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 17, Sep 10, 2018