

## Weld County, Colorado, Southern Part

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

#### Map Unit Setting

*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

#### Map Unit Composition

*Dacono and similar soils:* 85 percent

*Minor components:* 15 percent

#### 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:* neutral, clay loam

*H2 - 12 to 21 inches:* moderately alkaline, clay loam

*H3 - 21 to 27 inches:* moderately alkaline, clay loam

*H4 - 27 to 60 inches:* moderately alkaline, very gravelly sand

##### Properties and qualities

*Slope:* 0 to 1 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 (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 (0.0 to 2.0 mmhos/cm)

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

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated

*Land capability classification (irrigated):* 2s

*Land capability classification (nonirrigated):* 3s

*Hydrologic Soil Group:* B

*Ecological site:* Clayey Plains (R067BY042CO)

#### Minor Components

##### Heldt

*Percent of map unit:* 5 percent

**Nunn**

*Percent of map unit: 5 percent*

**Altvan**

*Percent of map unit: 5 percent*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014