

Map Unit Description

Weld County, Colorado, Southern Part

Sec: 14
Twd: 5N
Rdgs: 64 W**21 Dacono clay loam, 0 to 1 percent slopes****Setting**

Elevation: 4550 to 4970 feet
 Mean annual precipitation: 14 to 18 inches
 Mean annual air temperature: 48 to 52 degrees F
 Frost-free period: 140 to 160 days

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

Properties and Qualities

Slope: 0 to 1 percent
 Drainage class: Well drained
 Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
 Frequency of flooding: None
 Frequency of ponding: None
 Calcium carbonate maximum: 15 percent
 Gypsum maximum: 0 percent
 Available water capacity: Moderate (about 6.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2s
 Land capability (non irrigated): 3s
 Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 12 inches: clay loam
 12 to 21 inches: clay loam
 21 to 27 inches: clay loam
 27 to 60 inches: very gravelly sand

Minor Components**Heldt**

Percent of map unit: 5 percent

Nunn

Percent of map unit: 5 percent

Altvan

Percent of map unit: 5 percent

Map Unit Description

Weld County, Colorado, Southern Part

sec: 14
Twp: 5N
Rnge: 6W**51 Otero sandy loam, 1 to 3 percent slopes****Setting**

Elevation: 4700 to 5250 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 180 days

Composition

Otero and similar soils: 85 percent
Minor components: 15 percent

Description of Otero**Setting**

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits and/or mixed outwash

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.7 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 12 inches: sandy loam
12 to 60 inches: fine sandy loam

Minor Components**Kim**

Percent of map unit: 10 percent

Vona

Percent of map unit: 5 percent