

## Baca County, Colorado

### OeD—Otero sandy loam, 3 to 6 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2w4pk

*Elevation:* 3,410 to 6,420 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 50 to 54 degrees F

*Frost-free period:* 130 to 170 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Otero and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Otero

##### Setting

*Landform:* Interfluves, hillslopes

*Landform position (two-dimensional):* Backslope

*Landform position (three-dimensional):* Side slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Old alluvium and/or eolian deposits

##### Typical profile

*A - 0 to 6 inches:* sandy loam

*Bw - 6 to 14 inches:* sandy loam

*Bk - 14 to 79 inches:* sandy loam

##### Properties and qualities

*Slope:* 3 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Somewhat excessively drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 8 percent

*Salinity, maximum in profile:* Very slightly saline (2.0 to 3.9  
mmhos/cm)

*Available water storage in profile:* Moderate (about 6.6 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* A

*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Vona**

*Percent of map unit:* 10 percent  
*Landform:* Interfluves, hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

#### **Ascalon**

*Percent of map unit:* 3 percent  
*Landform:* Interfluves, hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

#### **Kandrix**

*Percent of map unit:* 2 percent  
*Landform:* Interfluves, hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Baca County, Colorado  
Survey Area Data: Version 13, Sep 22, 2016