

## Lincoln County, Colorado

### 103—MLRA 67B - Ascalon sandy loam, 0 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 3,870 to 5,960 feet  
*Mean annual precipitation:* 12 to 16 inches  
*Mean annual air temperature:* 46 to 57 degrees F  
*Frost-free period:* 135 to 160 days

#### Map Unit Composition

*Ascalon and similar soils:* 85 percent  
*Minor components:* 15 percent

#### Description of Ascalon

##### Setting

*Landform:* Plains, paleoterraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Wind-reworked alluvium and/or calcareous sandy eolian deposits

##### Properties and qualities

*Slope:* 0 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 high to high (0.60 to 2.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 10 percent  
*Maximum salinity:* Nonsaline (0.1 to 2.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 1.0  
*Available water capacity:* Moderate (about 7.7 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland  
*Land capability classification (irrigated):* 3e  
*Land capability (nonirrigated):* 4c  
*Hydrologic Soil Group:* B  
*Ecological site:* Sandy Plains (R067BY024CO)

##### Typical profile

*0 to 6 inches:* Sandy loam  
*6 to 12 inches:* Sandy clay loam  
*12 to 19 inches:* Sandy clay loam  
*19 to 35 inches:* Sandy clay loam  
*35 to 80 inches:* Sandy loam

### Minor Components

#### **Olnest**

*Percent of map unit:* 10 percent

*Landform:* Plains

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Sandy Plains (R067BY024CO)

#### **Vona**

*Percent of map unit:* 5 percent

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* Sandy Plains (R067BY024CO)

## Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013