

Lincoln County, Colorado

104—Ascalon sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3j87
Elevation: 4,400 to 6,000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days
Farmland classification: Not prime farmland

Map Unit Composition

Ascalon and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ascalon

Setting

Landform: Hills
Landform position (three-dimensional): Side slope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

Typical profile

Ap - 0 to 4 inches: sandy loam
Bt - 4 to 15 inches: sandy clay loam
Bk - 15 to 60 inches: fine sandy loam

Properties and qualities

Slope: 3 to 5 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 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 in profile: 15 percent
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Moderate (about 8.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: Sandy plains (R067BY024CO)

Minor Components

Otero

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Haxtun

Percent of map unit: 3 percent

Landform: Drainageways

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Pleasant

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains swale (R067XY010CO)

Platner

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Vona

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 11, Dec 23, 2013