

Lincoln County, Colorado

109—Ascalon-Haxtun complex, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 3j8d

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: 55 percent

Haxtun and similar soils: 30 percent

Minor components: 15 percent

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

Description of Ascalon

Setting

Landform: Plains

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: 0 to 3 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 to very slightly saline (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): 3c

Hydrologic Soil Group: B

Ecological site: Sandy Plains (R067BY024CO)

Hydric soil rating: No

Description of Haxtun

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits

Typical profile

Ap - 0 to 4 inches: loamy sand
BA - 4 to 17 inches: sandy loam
Bt - 17 to 44 inches: sandy clay loam
Btkb - 44 to 60 inches: silt loam

Properties and qualities

Slope: 0 to 3 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 (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
Gypsum, maximum in profile: 2 percent
Salinity, maximum in profile: Nonsaline to very slightly saline (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)
Hydric soil rating: No

Minor Components

Olne1

Percent of map unit: 3 percent
Landform: Plains
Ecological site: Sandy Plains (R067BY024CO)
Other vegetative classification: SANDY PLAINS (067XY024CO_1)
Hydric soil rating: No

Otero

Percent of map unit: 3 percent
Landform: Hills
Landform position (three-dimensional): Side slope
Ecological site: Sandy Plains (R067BY024CO)
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Hydric soil rating: No

Platner

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Hydric soil rating: No

Pleasant

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

Hydric soil rating: Yes

Vona

Percent of map unit: 3 percent

Landform: Hills

Landform position (three-dimensional): Side slope

Ecological site: Sandy Plains (R067BY024CO)

Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Hydric soil rating: No

Data Source Information

Soil Survey Area: Lincoln County, Colorado

Survey Area Data: Version 16, Sep 10, 2018