

Washington County, Colorado

2—Ascalon loamy sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tlnh

Elevation: 4,150 to 5,420 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 48 to 50 degrees F

Frost-free period: 130 to 155 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Ascalon and similar soils: 80 percent

Minor components: 20 percent

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

Description of Ascalon

Setting

Landform: Interfluves

Landform position (two-dimensional): Summit

Landform position (three-dimensional): Interfluve

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Wind-reworked alluvium and/or calcareous sandy eolian deposits

Typical profile

Ap - 0 to 7 inches: loamy sand

Bt1 - 7 to 13 inches: sandy clay loam

Bt2 - 13 to 18 inches: sandy clay loam

Bk - 18 to 48 inches: sandy clay loam

C - 48 to 80 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

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 content: 10 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Moderate (about 8.9 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4c

Hydrologic Soil Group: B

Ecological site: R067BY024CO - Sandy Plains

Hydric soil rating: No

Minor Components

Vona

Percent of map unit: 12 percent

Landform: Hills

Landform position (two-dimensional): Shoulder, backslope, footslope

Landform position (three-dimensional): Head slope, nose slope, side slope, base slope

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R067BY024CO - Sandy Plains

Hydric soil rating: No

Haxtun

Percent of map unit: 8 percent

Landform: Swales

Landform position (two-dimensional): Footslope, toeslope

Landform position (three-dimensional): Base slope

Down-slope shape: Linear

Across-slope shape: Concave

Ecological site: R067BY024CO - Sandy Plains

Hydric soil rating: No

Data Source Information

Soil Survey Area: Washington County, Colorado

Survey Area Data: Version 23, Aug 31, 2021