

Morgan County, Colorado

AuC—Ascalon sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3pvn

Elevation: 4,500 to 6,500 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 46 to 57 degrees F

Frost-free period: 130 to 160 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

Down-slope shape: Linear

Across-slope shape: Convex

Parent material: Sand loamy

Typical profile

H1 - 0 to 7 inches: sandy loam

H2 - 7 to 14 inches: sandy clay loam

H3 - 14 to 60 inches: 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: 10 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

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

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Sandy plains (R067BY024CO)

Minor Components

Olney

Percent of map unit: 10 percent

Valent

Percent of map unit: 5 percent

Vona

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Morgan County, Colorado
Survey Area Data: Version 15, Sep 23, 2014