

Yuma County, Colorado

5—Ascalon fine sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 3,500 to 4,200 feet
Mean annual precipitation: 16 to 18 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 160 days

Map Unit Composition

Ascalon and similar soils: 75 percent
Minor components: 25 percent

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous, old alluvium

Typical profile

H1 - 0 to 6 inches: fine sandy loam
H2 - 6 to 18 inches: sandy clay loam
H3 - 18 to 44 inches: fine sandy loam
H4 - 44 to 60 inches: loamy fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat):
Moderately high to high (0.20 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
Available water storage in profile: Moderate (about 8.0 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 2e
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: B
Ecological site: Sandy Plains (R072XY023CO)

Minor Components

Haxtun

Percent of map unit: 10 percent

Eroded soils

Percent of map unit: 8 percent

Manter

Percent of map unit: 7 percent

Data Source Information

Soil Survey Area: Yuma County, Colorado

Survey Area Data: Version 14, Dec 23, 2013

Yuma County, Colorado

19—Haxtun sandy loam

Map Unit Setting

Elevation: 4,100 to 4,600 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 150 days

Map Unit Composition

Haxtun and similar soils: 90 percent
Minor components: 10 percent

Description of Haxtun

Setting

Landform: Valleys, swales
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or mixed eolian deposits over buried soil

Typical profile

H1 - 0 to 7 inches: neutral, sandy loam
H2 - 7 to 20 inches: neutral, sandy loam
H3 - 20 to 33 inches: moderately alkaline, sandy clay loam
H4 - 33 to 60 inches: moderately alkaline, sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Natural drainage class: Well drained
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
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum in profile: 5.0
Available water storage in profile: Moderate (about 8.2 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 3e
Hydrologic Soil Group: B
Ecological site: Sandy Plains (R072XY023CO)

Minor Components

Ascalon

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Yuma County, Colorado
Survey Area Data: Version 14, Dec 23, 2013