

## 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:* neutral, fine sandy loam

*H2 - 6 to 18 inches:* neutral, sandy clay loam

*H3 - 18 to 44 inches:* moderately alkaline, fine sandy loam

*H4 - 44 to 60 inches:* moderately alkaline, 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