

## Adams County Area, Parts of Adams and Denver Counties, Colorado

### AsC—Ascalon sandy loam, 3 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34vn

*Elevation:* 4,400 to 6,500 feet

*Mean annual precipitation:* 13 to 15 inches

*Mean annual air temperature:* 46 to 52 degrees F

*Frost-free period:* 130 to 160 days

*Farmland classification:* Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

#### Map Unit Composition

*Ascalon and similar soils:* 85 percent

*Minor components:* 15 percent

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

#### Description of Ascalon

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Eolian deposits derived from mixed

##### Typical profile

*H1 - 0 to 6 inches:* sandy loam

*H2 - 6 to 21 inches:* sandy clay loam

*H3 - 21 to 27 inches:* sandy loam

*H4 - 27 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 7.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B  
*Ecological site:* Sandy plains (R067BY024CO)

**Minor Components**

**Vona**

*Percent of map unit:* 10 percent

**Stoneham**

*Percent of map unit:* 5 percent

**Data Source Information**

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties, Colorado

Survey Area Data: Version 10, Dec 24, 2013