

## Weld County, Colorado, Southern Part

### 9—Ascalon loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 3645  
*Elevation:* 4,500 to 4,900 feet  
*Mean annual precipitation:* 12 to 17 inches  
*Mean annual air temperature:* 46 to 57 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Prime farmland if irrigated

#### 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:* Terraces  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 18 inches:* sandy clay loam  
*H3 - 18 to 60 inches:* fine sandy loam  
*H4 - 60 to 64 inches:* fine sandy loam

##### Properties and qualities

*Slope:* 1 to 3 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 (0.20 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  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 8.0 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 4c  
*Hydrologic Soil Group:* B

### **Minor Components**

**Platner**

*Percent of map unit: 7 percent*

**Olney**

*Percent of map unit: 5 percent*

**Stoneham**

*Percent of map unit: 3 percent*

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 14, Sep 22, 2015