

## 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