

## Weld County, Colorado, Northern Part

### 4—Ascalon fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

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

*Mean annual precipitation:* 13 to 17 inches

*Mean annual air temperature:* 46 to 57 degrees F

*Frost-free period:* 130 to 160 days

#### Map Unit Composition

*Ascalon and similar soils:* 85 percent

*Minor components:* 15 percent

#### Description of Ascalon

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy alluvium

##### Properties and qualities

*Slope:* 0 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*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 content:* 10 percent

*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Available water capacity:* Moderate (about 6.9 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability (nonirrigated):* 3e

*Ecological site:* Loamy Plains (R067BY002CO)

##### Typical profile

*0 to 8 inches:* Fine sandy loam

*8 to 22 inches:* Sandy clay loam

*22 to 60 inches:* Sandy loam

#### Minor Components

##### Olney

*Percent of map unit:* 8 percent

**Otero**

*Percent of map unit: 7 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009

## Weld County, Colorado, Northern Part

### 49—Paoli fine sandy loam, 0 to 6 percent slopes

#### Map Unit Setting

*Elevation:* 3,500 to 6,500 feet

*Mean annual precipitation:* 13 to 17 inches

*Mean annual air temperature:* 46 to 48 degrees F

*Frost-free period:* 130 to 150 days

#### Map Unit Composition

*Paoli and similar soils:* 90 percent

*Minor components:* 10 percent

#### Description of Paoli

##### Setting

*Landform:* Alluvial fans

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Calcareous loamy alluvium

##### Properties and qualities

*Slope:* 0 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00  
to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 15 percent

*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)

*Available water capacity:* High (about 9.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability (nonirrigated):* 3e

*Ecological site:* Sandy Plains (R067BY024CO)

##### Typical profile

*0 to 15 inches:* Fine sandy loam

*15 to 45 inches:* Sandy loam

*45 to 60 inches:* Sandy loam

#### Minor Components

##### Haverson

*Percent of map unit:* 8 percent

##### Fluvaquentic haplustolls

*Percent of map unit:* 2 percent

*Landform:* Terraces

## Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009