

## Map Unit Description

Weld County, Colorado, Southern Part

### 5 Ascalon sandy loam, 1 to 3 percent slopes

#### Setting

Landscape: Uplands  
Elevation: 4600 to 5200 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 46 to 57 degrees F  
Frost-free period: 130 to 160 days

#### Composition

Ascalon and similar soils: 90 percent  
Minor components: 10 percent

#### Description of Ascalon

##### Setting

Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium

##### Properties and Qualities

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.4 inches)

##### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 3e  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 8 inches: sandy loam  
8 to 18 inches: sandy clay loam  
18 to 60 inches: sandy loam, fine sandy loam  
60 to 64 inches: fine sandy loam

#### Minor Components

##### Stoneham

Percent of map unit: 10 percent