

## Map Unit Description

Weld County, Colorado, Northern Part

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

#### Setting

Elevation: 4500 to 6500 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: 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  
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 6.9 inches)

##### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 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