

# Map Unit Description

Adams County Area, Parts of Adams and Denver Counties, Colorado

## At Ascalon-Platner association

### Setting

Elevation: 4200 to 6500 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 130 to 160 days

### Composition

Ascalon and similar soils: 60 percent  
Platner and similar soils: 40 percent

### Description of Ascalon

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian deposits derived from mixed

#### Properties and Qualities

Slope: 3 to 5 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 7.1 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 10 inches: sandy loam  
10 to 21 inches: sandy clay loam  
21 to 27 inches: sandy loam  
27 to 60 inches: sandy loam

### Description of Platner

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium derived from mixed

#### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.2 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 3c  
Ecological site: Loamy Plains (R067BY002CO)

#### Typical Profile

0 to 9 inches: loam  
9 to 18 inches: clay

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18 to 49 inches: clay loam  
49 to 60 inches: sandy loam