

## Map Unit Description

Lincoln County, Colorado

### 173 Platner-Ascalon complex, 0 to 3 percent slopes

#### Setting

Elevation: 4400 to 6000 feet  
Mean annual precipitation: 11 to 16 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

#### Composition

Platner and similar soils: 50 percent  
Ascalon and similar soils: 35 percent  
Minor components: 15 percent

#### Description of Platner

##### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium and/or eolian deposits

##### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.1 inches)

##### Interpretive Groups

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

##### Typical Profile

0 to 7 inches: loam  
7 to 15 inches: clay loam  
15 to 40 inches: silty clay loam  
40 to 60 inches: clay loam

#### Description of Ascalon

##### Setting

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

##### Properties and Qualities

Slope: 0 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.9 inches)

##### Interpretive Groups

Land capability (non irrigated): 3c  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 4 inches: sandy loam  
4 to 15 inches: sandy clay loam  
15 to 60 inches: fine sandy loam