

# Map Unit Description

Lincoln County, Colorado

## 103 Ascalon sandy loam, 1 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

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: Eolian deposits

#### 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: 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

### Minor Components

#### Haxtun soils

Percent of map unit: 5 percent  
Landform: Drainageways  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Platner soils

Percent of map unit: 3 percent  
Landform: Plains  
Ecological site: Loamy Plains (R067BY002CO)  
Other vegetative classification: LOAMY PLAINS (067XY002CO\_1)

#### Arvada soils

Percent of map unit: 3 percent  
Landform: Fans, drainageways  
Other vegetative classification: Salt Flat (069AY033CO\_1)

#### Olneest soils

Percent of map unit: 2 percent  
Landform: Plains  
Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Pleasant soils

Percent of map unit: 2 percent  
Landform: Depressions  
Ecological site: Plains Swale (R067XY010CO)