

## Map Unit Description

Lincoln County, Colorado

### 109 Ascalon-Haxtun complex, 0 to 3 percent slopes

#### Setting

Elevation: 4400 to 6000 feet  
Mean annual precipitation: 14 to 16 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

#### Composition

Ascalon and similar soils: 55 percent  
Haxtun and similar soils: 30 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: 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

#### Description of Haxtun

##### Setting

Landform: Drainageways  
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: 2 percent  
Available water capacity: Moderate (about 8.9 inches)

##### Interpretive Groups

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

##### Typical Profile

0 to 4 inches: loamy sand  
4 to 17 inches: sandy loam  
17 to 44 inches: sandy clay loam  
44 to 60 inches: silt loam

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### Minor Components

#### Pleasant soils

Percent of map unit: 3 percent

Landform: Depressions

Ecological site: Plains Swale (R067XY010CO)

#### Platner soils

Percent of map unit: 3 percent

Landform: Plains

Ecological site: Loamy Plains (R067BY002CO)

Other vegetative classification: LOAMY PLAINS (067XY002CO\_1)

#### Vona soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Oldest soils

Percent of map unit: 3 percent

Landform: Plains

Other vegetative classification: SANDY PLAINS (067XY024CO\_1)

#### Otero soils

Percent of map unit: 3 percent

Landform: Hills

Other vegetative classification: SANDY PLAINS (067XY024CO\_1)