

# Map Unit Description

Phillips County, Colorado

## AsB Ascalon sandy loam, 0 to 3 percent slopes

### Setting

Mean annual precipitation: 17 to 20 inches  
Frost-free period: 160 to 160 days

### Composition

Ascalon and similar soils: 90 percent  
Minor components: 10 percent

### Description of Ascalon

#### Setting

Landform: Ridges  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Moderately coarse-textured 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 (0.57 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Available water capacity: Moderate (about 6.9 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 2e  
Ecological site: Sandy Plains (R072XY023CO)

#### Typical Profile

0 to 10 inches: sandy loam  
10 to 19 inches: sandy clay loam  
19 to 27 inches: sandy clay loam  
27 to 60 inches: fine sandy loam

### Minor Components

#### Haxtun

Percent of map unit: 5 percent

#### Other soils

Percent of map unit: 5 percent