

# Map Unit Description

Yuma County, Colorado

## 3 Ascalon sandy loam, 3 to 5 percent slopes

### Setting

Elevation: 3500 to 4200 feet  
Mean annual precipitation: 16 to 18 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 140 to 160 days

### Composition

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

### Description of Ascalon

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Calcareous, old alluvium

#### 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 (0.20 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 7.9 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 3e  
Ecological site: Sandy Plains (R072XY023CO)

#### Typical Profile

0 to 6 inches: sandy loam  
6 to 18 inches: sandy clay loam  
18 to 44 inches: fine sandy loam  
44 to 60 inches: loamy fine sand

### Minor Components

#### Manter

Percent of map unit: 5 percent

#### Eroded soils

Percent of map unit: 5 percent