

# Map Unit Description

Morgan County, Colorado

## Pa Platner fine sandy loam

### Setting

Landscape: Uplands  
Elevation: 4500 to 5900 feet  
Mean annual precipitation: 17 to 19 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 140 to 165 days

### Composition

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

### Description of Platner

#### Setting

Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Loam

#### Properties and Qualities

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 10 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.9 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 11 inches: fine sandy loam  
11 to 19 inches: clay loam  
19 to 34 inches: loam  
34 to 60 inches: sandy loam

### Minor Components

#### Ascalon

Percent of map unit: 10 percent