

# Map Unit Description

Adams County Area, Parts of Adams and Denver Counties, Colorado

## **PIC      Platner loam, 3 to 5 percent slopes**

### **Setting**

Elevation: 4200 to 5500 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 135 to 155 days

### **Composition**

Platner and similar soils: 80 percent  
Minor components: 20 percent

### **Description of Platner**

#### **Setting**

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium derived from mixed

#### **Properties and Qualities**

Slope: 3 to 5 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: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 10.2 inches)

#### **Interpretive Groups**

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

#### **Typical Profile**

0 to 9 inches: loam  
9 to 18 inches: clay  
18 to 49 inches: clay loam  
49 to 60 inches: sandy loam

### **Minor Components**

#### **Ascalon**

Percent of map unit: 10 percent

#### **Colby**

Percent of map unit: 5 percent

#### **Stoneham**

Percent of map unit: 5 percent