

# Map Unit Description

Weld County, Colorado, Southern Part

## 8 Ascalon loam, 0 to 1 percent slopes

### Setting

Elevation: 4500 to 4900 feet  
Mean annual precipitation: 12 to 17 inches  
Mean annual air temperature: 46 to 57 degrees F  
Frost-free period: 130 to 160 days

### Composition

Ascalon and similar soils: 85 percent  
Minor components: 15 percent

### Description of Ascalon

#### Setting

Landform: Terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium

#### Properties and Qualities

Slope: 0 to 1 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 8.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4c

#### Typical Profile

0 to 8 inches: loam  
8 to 18 inches: sandy clay loam  
18 to 60 inches: fine sandy loam  
60 to 64 inches: fine sandy loam

### Minor Components

#### Olney

Percent of map unit: 8 percent

#### Nunn

Percent of map unit: 4 percent

#### Platner

Percent of map unit: 3 percent

# Map Unit Description

Weld County, Colorado, Southern Part

## 34 Kim loam, 5 to 9 percent slopes

### Setting

Elevation: 4900 to 5250 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 125 to 150 days

### Composition

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

### Description of Kim

#### Setting

Landform: Alluvial fans, plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Mixed eolian deposits derived from sedimentary rock

#### Properties and Qualities

Slope: 5 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 8.8 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Loamy Slopes (R067BY008CO)

#### Typical Profile

0 to 10 inches: loam  
10 to 35 inches: loam  
35 to 60 inches: fine sandy loam

### Minor Components

#### Otero

Percent of map unit: 6 percent

#### Valent

Percent of map unit: 4 percent