

# Map Unit Description

Weld County, Colorado, Southern Part

## 5 Ascalon sandy loam, 1 to 3 percent slopes

### Setting

Landscape: Uplands  
Elevation: 4600 to 5200 feet  
Mean annual precipitation: 13 to 17 inches  
Mean annual air temperature: 46 to 57 degrees F  
Frost-free period: 130 to 160 days

### Composition

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

### Description of Ascalon

#### Setting

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

#### Properties and Qualities

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 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 8.4 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 3e  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

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

### Minor Components

#### Stoneham

Percent of map unit: 10 percent

# Map Unit Description

Weld County, Colorado, Southern Part

## 61 Tassel fine sandy loam, 5 to 20 percent slopes

### Setting

Elevation: 4850 to 5200 feet  
Mean annual precipitation: 12 to 19 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 110 to 165 days

### Composition

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

### Description of Tassel

#### Setting

Landform: Breaks  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from sandstone

#### Properties and Qualities

Slope: 5 to 20 percent  
Depth to restrictive feature: 10 to 20 inches to Paralithic bedrock  
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: Very low (about 2.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Sandstone Breaks (R067BY056CO)

#### Typical Profile

0 to 11 inches: fine sandy loam  
11 to 15 inches: very fine sandy loam  
15 to 20 inches: weathered bedrock

### Minor Components

#### Otero

Percent of map unit: 8 percent

#### Terry

Percent of map unit: 7 percent

# Map Unit Description

Weld County, Colorado, Southern Part

## 63 Terry fine sandy loam, 3 to 9 percent slopes

### Setting

Elevation: 4500 to 5000 feet  
Mean annual precipitation: 13 to 15 inches  
Mean annual air temperature: 46 to 48 degrees F  
Frost-free period: 120 to 180 days

### Composition

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

### Description of Terry

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Residuum weathered from sandstone

#### Properties and Qualities

Slope: 3 to 9 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.4 inches)

#### Interpretive Groups

Land capability classification (irrigated): 4s  
Land capability (non irrigated): 6e  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 6 inches: fine sandy loam  
6 to 18 inches: fine sandy loam  
18 to 37 inches: fine sandy loam  
37 to 41 inches: weathered bedrock

### Minor Components

#### Tassel

Percent of map unit: 5 percent

#### Olney

Percent of map unit: 5 percent

#### Otero

Percent of map unit: 5 percent