

# Map Unit Description

Weld County, Colorado, Southern Part

## 11 Bresser sandy loam, 0 to 1 percent slopes

### Setting

Elevation: 4700 to 4800 feet  
Mean annual precipitation: 12 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

### Composition

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

### Description of Bresser

#### 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 (0.57 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: Low (about 6.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2s  
Land capability (non irrigated): 4c  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 16 inches: sandy loam  
16 to 25 inches: sandy clay loam  
25 to 30 inches: sandy loam  
30 to 60 inches: loamy sand

### Minor Components

#### Ascalon

Percent of map unit: 10 percent

# Map Unit Description

Weld County, Colorado, Southern Part

## 12 Bresser sandy loam, 1 to 3 percent slopes

### Setting

Elevation: 4700 to 4800 feet  
Mean annual precipitation: 12 to 15 inches  
Mean annual air temperature: 46 to 52 degrees F  
Frost-free period: 135 to 155 days

### Composition

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

### Description of Bresser

#### Setting

Landform: Terraces  
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 (0.57 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: Low (about 6.0 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4c  
Ecological site: Sandy Plains (R067BY024CO)

#### Typical Profile

0 to 16 inches: sandy loam  
16 to 25 inches: sandy clay loam  
25 to 30 inches: sandy loam  
30 to 60 inches: loamy sand

### Minor Components

#### Ascalon

Percent of map unit: 5 percent

#### Vona

Percent of map unit: 5 percent

# Map Unit Description

Weld County, Colorado, Southern Part

## 30 Julesburg sandy loam, 1 to 3 percent slopes

### Setting

Elevation: 4700 to 4800 feet  
Mean annual precipitation: 15 to 19 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 155 days

### Composition

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

### Description of Julesburg

#### Setting

Landform: Terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: South platte river alluvium

#### Properties and Qualities

Slope: 1 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 6.5 inches)

#### Interpretive Groups

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

#### Typical Profile

0 to 12 inches: sandy loam  
12 to 27 inches: sandy loam  
27 to 60 inches: sand

### Minor Components

#### Valent

Percent of map unit: 5 percent

#### Remmit

Percent of map unit: 5 percent