

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