

## Weld County, Colorado, Southern Part

### 11—Bresser sandy loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2swl0

*Elevation:* 4,050 to 6,800 feet

*Mean annual precipitation:* 12 to 18 inches

*Mean annual air temperature:* 45 to 55 degrees F

*Frost-free period:* 135 to 190 days

*Farmland classification:* Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

#### Map Unit Composition

*Bresser and similar soils:* 90 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Bresser

##### Setting

*Landform:* Drainageways

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Coarse sandy alluvium derived from igneous, metamorphic and sedimentary rock

##### Typical profile

*Ap - 0 to 9 inches:* sandy loam

*Bt - 9 to 25 inches:* sandy clay loam

*BC - 25 to 30 inches:* sandy loam

*C - 30 to 79 inches:* loamy sand

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high  
(0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 10 percent

*Salinity, maximum in profile:* Nonsaline (0.0 to 0.1 mmhos/cm)

*Available water storage in profile:* Low (about 5.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* B

*Ecological site:* Sandy Plains (R067BY024CO)

*Hydric soil rating:* No

## Minor Components

### Truckton

*Percent of map unit:* 5 percent  
*Landform:* Drainageways  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

### Vona

*Percent of map unit:* 5 percent  
*Landform:* Stream terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

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

### Map Unit Setting

*National map unit symbol:* 3628  
*Elevation:* 4,700 to 4,800 feet  
*Mean annual precipitation:* 15 to 19 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 145 to 155 days  
*Farmland classification:* Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

### Map Unit Composition

*Julesburg and similar soils:* 90 percent  
*Minor components:* 10 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

### Description of Julesburg

#### Setting

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

#### Typical profile

*H1 - 0 to 12 inches:* sandy loam  
*H2 - 12 to 27 inches:* sandy loam  
*H3 - 27 to 60 inches:* sand

## Custom Soil Resource Report

### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High (2.00 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water storage in profile:* Moderate (about 6.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* A

*Ecological site:* Sandy Plains (R067BY024CO)

*Hydric soil rating:* No

### Minor Components

#### Valent

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### Remmit

*Percent of map unit:* 5 percent

*Hydric soil rating:* No