

## 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**

#### **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

#### **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

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part  
Survey Area Data: Version 15, Sep 22, 2016