

Weld County, Colorado, Southern Part

11—Bresser sandy loam, 0 to 1 percent slopes

Map Unit Setting

Elevation: 4,700 to 4,800 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Map Unit 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
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water
(Ksat): Moderately high to high (0.57 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Available water capacity: Low (about 6.0 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated and the product of
I (soil erodibility) x C (climate factor) does not exceed 60
Land capability classification (irrigated): 2s
Land capability (nonirrigated): 4c
Hydrologic Soil Group: B
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

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 11, Aug 27, 2009