

Weld County, Colorado, Northern Part

6—Ascalon-Blakeland complex, 3 to 15 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 130 to 160 days

Map Unit Composition

Ascalon and similar soils: 50 percent
Blakeland and similar soils: 30 percent
Minor components: 20 percent

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and qualities

Slope: 3 to 15 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 (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Moderate (about 7.0 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability (nonirrigated): 6e
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 8 inches: Fine sandy loam
8 to 26 inches: Sandy clay loam
26 to 60 inches: Sandy loam

Description of Blakeland

Setting

Landform: Alluvial fans, fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Arkosic sandy alluvium and/or arkosic sandy colluvium

Properties and qualities

Slope: 3 to 15 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Somewhat excessively drained

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 5 percent

Available water capacity: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability (nonirrigated): 6e

Ecological site: Deep Sand (R067BY015CO)

Typical profile

0 to 15 inches: Loamy sand

15 to 60 inches: Loamy sand

Minor Components

Wages

Percent of map unit: 10 percent

Bushman

Percent of map unit: 5 percent

Bresser

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part

Survey Area Data: Version 8, Apr 30, 2009