

Map Unit Description

Weld County, Colorado, Northern Part

6 Ascalon-Blakeland complex, 3 to 15 percent slopes

Setting

Elevation: 4500 to 6500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 57 degrees F
Frost-free period: 130 to 160 days

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
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 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: Moderate (about 7.0 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 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
Drainage class: Somewhat excessively drained
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.3 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: Deep Sand (R067BY015CO)

Typical Profile

0 to 15 inches: loamy sand
15 to 60 inches: loamy sand

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Minor Components

Wages

Percent of map unit: 10 percent

Bushman

Percent of map unit: 5 percent

Bresser

Percent of map unit: 5 percent