

Map Unit Description

Adams County Area, Parts of Adams and Denver Counties, Colorado

At Ascalon-Platner association

Setting

Elevation: 4200 to 6500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 130 to 160 days

Composition

Ascalon and similar soils: 60 percent
Platner and similar soils: 40 percent

Description of Ascalon

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits derived from mixed

Properties and Qualities

Slope: 3 to 5 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 7.1 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 10 inches: sandy loam
10 to 21 inches: sandy clay loam
21 to 27 inches: sandy loam
27 to 60 inches: sandy loam

Description of Platner

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from mixed

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.2 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 3c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 9 inches: loam
9 to 18 inches: clay

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18 to 49 inches: clay loam
49 to 60 inches: sandy loam