

Map Unit Description

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

AvC Ascalon-Vona sandy loams, 1 to 5 percent slopes

Setting

Elevation: 4000 to 6500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 125 to 160 days

Composition

Ascalon and similar soils: 45 percent
Vona and similar soils: 35 percent
Minor components: 20 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: 1 to 3 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 6.9 inches)

Interpretive Groups

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

Typical Profile

0 to 8 inches: sandy loam
8 to 18 inches: sandy clay loam
18 to 24 inches: sandy clay loam
24 to 60 inches: sandy loam

Description of Vona

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Properties and Qualities

Slope: 3 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 2 percent
Available water capacity: Moderate (about 6.3 inches)

Interpretive Groups

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

Typical Profile

0 to 9 inches: sandy loam

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9 to 22 inches: sandy loam
22 to 60 inches: loamy sand

Minor Components

Ascalon

Percent of map unit: 10 percent

Vona

Percent of map unit: 10 percent