

## 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

## Map Unit Description

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

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