

**Map Unit Description**

Weld County, Colorado, Southern Part

**74 Vona loamy sand, 5 to 9 percent slopes****Setting**

Elevation: 4600 to 5200 feet  
 Mean annual precipitation: 13 to 15 inches  
 Mean annual air temperature: 48 to 55 degrees F  
 Frost-free period: 130 to 160 days

**Composition**

Vona and similar soils: 85 percent  
 Minor components: 15 percent

**Description of Vona****Setting**

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

**Properties and Qualities**

Slope: 5 to 9 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: 15 percent  
 Gypsum maximum: 0 percent  
 Available water capacity: Moderate (about 6.5 inches)

**Interpretive Groups**

Land capability classification (irrigated): 6e  
 Land capability (non irrigated): 6e  
 Ecological site: Sandy Plains (R067BY024CO)

**Typical Profile**

0 to 6 inches: loamy sand  
 6 to 28 inches: fine sandy loam  
 28 to 60 inches: sandy loam

**Minor Components****Valent**

Percent of map unit: 10 percent

**Remmit**

Percent of map unit: 5 percent