

## Map Unit Description

Weld County, Colorado, Northern Part

### 72 Vona loamy sand, 3 to 9 percent slopes

#### Setting

Elevation: 4000 to 5500 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: Calcareous sandy alluvium and/or eolian deposits

##### Properties and Qualities

Slope: 3 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 (non irrigated): 6e  
Ecological site: Deep Sand (R067BY015CO)

##### Typical Profile

0 to 2 inches: loamy sand  
2 to 20 inches: fine sandy loam, sandy loam  
20 to 60 inches: loamy sand

#### Minor Components

##### Remmit

Percent of map unit: 8 percent

##### Valent

Percent of map unit: 5 percent

##### Olney

Percent of map unit: 2 percent