

## Weld County, Colorado, Southern Part

### 72—Vona loamy sand, 0 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 4,600 to 5,200 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 48 to 55 degrees F  
*Frost-free period:* 130 to 160 days

#### Map Unit Composition

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

#### Description of Vona

##### Setting

*Landform:* Plains, terraces  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Properties and qualities

*Slope:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* High (1.98 to 6.00 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)  
*Available water capacity:* Moderate (about 6.5 inches)

##### Interpretive groups

*Farmland classification:* Farmland of local importance  
*Land capability classification (irrigated):* 3e  
*Land capability (nonirrigated):* 4e  
*Hydrologic Soil Group:* B  
*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

##### Remmit

*Percent of map unit:* 10 percent

**Valent**

*Percent of map unit: 5 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 11, Aug 27, 2009