

## Map Unit Description

Weld County, Colorado, Southern Part

HERBST C22-24

TOWNSHIP 4 NORTH-RANGE 64 WEST

SECTION 22 : NE4/SW4

75 Vona sandy loam, 0 to 1 percent slopes

### Setting

Elevation: 4650 to 4950 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: Terraces  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium

#### Properties and Qualities

Slope: 0 to 1 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 6.8 inches)

#### Interpretive Groups

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

#### Typical Profile

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

### Minor Components

#### Remmit

Percent of map unit: 11 percent

#### Olney

Percent of map unit: 4 percent