

# 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

# Rangeland Productivity and Plant Composition

Weld County, Colorado, Southern Part

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/Ac</i>	<i>Lb/Ac</i>	<i>Lb/Ac</i>		<i>Pct</i>
74:						
Vona	Sandy Plains	2,000	1,700	1,200	Prairie sandreed	20
					Sand bluestem	10
					Switchgrass	10
					Little bluestem	5
					Needleandthread	5
					Sand sagebrush	5
					Sideoats grama	5
					Western wheatgrass	5