

Map Unit Description

Weld County, Colorado, Northern Part

73 Vona sandy loam, 0 to 3 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: 0 to 3 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 6.4 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: sandy loam
6 to 15 inches: fine sandy loam, sandy loam
15 to 60 inches: loamy sand

Minor Components

Remmit

Percent of map unit: 9 percent

Olney

Percent of map unit: 6 percent

Rangeland Productivity and Plant Composition

Weld County, Colorado, Northern 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>
73:						
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