

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		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
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

Map Unit Description

Weld County, Colorado, Southern Part

72 Vona loamy sand, 0 to 3 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: Terraces, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: 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 6.5 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
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

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		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
72:						
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

Map Unit Description

Weld County, Colorado, Southern Part

63 Terry fine sandy loam, 3 to 9 percent slopes

Setting

Elevation: 4500 to 5000 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 120 to 180 days

Composition

Terry and similar soils: 85 percent
Minor components: 15 percent

Description of Terry

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from sandstone

Properties and Qualities

Slope: 3 to 9 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or high (0.06 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.4 inches)

Interpretive Groups

Land capability classification (irrigated): 4s
Land capability (non irrigated): 6e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 6 inches: fine sandy loam
6 to 18 inches: fine sandy loam
18 to 37 inches: fine sandy loam
37 to 41 inches: weathered bedrock

Minor Components

Tassel

Percent of map unit: 5 percent

Olney

Percent of map unit: 5 percent

Otero

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		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
63:						
Terry	Sandy Plains	1,700	1,500	1,000	Prairie junegrass	10
					Sideoats grama	8
					Little bluestem	5
					Needleandthread	5
					Prairie sandreed	3
					Sand dropseed	3