

Weld County, Colorado, Southern Part

72—Vona loamy sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 363r

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

Farmland classification: Farmland of local importance

Map Unit Composition

Vona and similar soils: 85 percent

Minor components: 15 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Terraces, plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 6 inches: loamy sand

H2 - 6 to 28 inches: fine sandy loam

H3 - 28 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Very low

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 in profile: 15 percent

Salinity, maximum in profile: Nonsaline to slightly saline (0.0 to 4.0
mmhos/cm)

Available water storage in profile: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: A

Ecological site: Sandy Plains (R067BY024CO)

Hydric soil rating: No

Minor Components

Remmit

Percent of map unit: 10 percent

Hydric soil rating: No

Valent

Percent of map unit: 5 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 15, Sep 22, 2016

Map unit symbol & soil name	Ecological site, plan assoc., or habitat type	Total dry-weight production			Characteristic rangeland or forest understory vegetation	Composition		
		Fav. Yr.	Normal Yr	Unfav. Yr				
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Vona	Sandy Plains (R067BY024CO)	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	—	—
					blue grama	—	—	—
Remmit	—	—	—	—	—	—	—	—
Valent	—	—	—	—	—	—	—	—