

Weld County, Colorado, Northern Part

72—Vona loamy sand, 3 to 9 percent slopes

Map Unit Setting

National map unit symbol: 360y

Elevation: 4,000 to 5,500 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: Not prime farmland

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: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous sandy alluvium and/or eolian deposits

Typical profile

H1 - 0 to 2 inches: loamy sand

H2 - 2 to 20 inches: fine sandy loam, sandy loam

H2 - 2 to 20 inches: loamy sand

H3 - 20 to 60 inches:

Properties and qualities

Slope: 3 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: 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 8.8 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: A

Ecological site: Deep Sand (R067BY015CO)

Hydric soil rating: No

Minor Components

Remmit

Percent of map unit: 8 percent

Hydric soil rating: No

Valent

Percent of map unit: 5 percent

Hydric soil rating: No

Olney

Percent of map unit: 2 percent

Hydric soil rating: No

Data Source Information

Soil Survey Area: Weld County, Colorado, Northern Part
Survey Area Data: Version 12, Oct 10, 2017