

Weld County, Colorado, Southern Part

76—Vona sandy loam, 1 to 3 percent slopes

Map Unit Setting

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

Map Unit Composition

Vona and similar soils: 85 percent

Minor components: 15 percent

Description of Vona

Setting

Landform: Plains, terraces

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium and/or eolian deposits

Typical profile

H1 - 0 to 6 inches: neutral, sandy loam

H2 - 6 to 28 inches: slightly alkaline, fine sandy loam

H3 - 28 to 60 inches: strongly alkaline, sandy loam

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

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 very slightly saline (0.0 to 4.0 mmhos/cm)

Available water storage in profile: Moderate (about 6.8 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Sandy Plains (R067BY024CO)

Minor Components

Remmit

Percent of map unit: 9 percent

Olney

Percent of map unit: 3 percent

Julesburg

Percent of map unit: 3 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014