

Weld County, Colorado, Southern Part

29—Julesburg sandy loam, 0 to 1 percent slopes

Map Unit Setting

Elevation: 4,700 to 4,800 feet

Mean annual precipitation: 15 to 19 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 145 to 155 days

Map Unit Composition

Julesburg and similar soils: 85 percent

Minor components: 15 percent

Description of Julesburg

Setting

Landform: Terraces

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: South platte river alluvium

Typical profile

H1 - 0 to 12 inches: neutral, sandy loam

H2 - 12 to 27 inches: neutral, sandy loam

H3 - 27 to 60 inches: neutral, sand

Properties and qualities

Slope: 0 to 1 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 (2.00 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

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

Interpretive groups

Farmland classification: Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Sandy Plains (R067BY024CO)

Minor Components

Edgar

Percent of map unit: 4 percent

Remmit

Percent of map unit: 4 percent

Valent

Percent of map unit: 4 percent

Vona

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