

## 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