

## Map Unit Description

Weld County, Colorado, Southern Part

### 29 Julesburg sandy loam, 0 to 1 percent slopes

#### Setting

Elevation: 4700 to 4800 feet  
Mean annual precipitation: 15 to 19 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 155 days

#### 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

##### Properties and Qualities

Slope: 0 to 1 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Moderate (about 6.5 inches)

##### Interpretive Groups

Land capability classification (irrigated): 2s  
Land capability (non irrigated): 3e  
Ecological site: Sandy Plains (R067BY024CO)

##### Typical Profile

0 to 12 inches: sandy loam  
12 to 27 inches: sandy loam  
27 to 60 inches: sand

#### 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

KISSLER K 21-21D  
TOWNSHIP 4 NORTH, RANGE 66 WEST  
SECTION 21: NESW