

# Map Unit Description

Yuma County, Colorado

## 22 Julesburg loamy sand, 0 to 3 percent slopes

### Setting

Elevation: 4100 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: 75 percent  
Minor components: 25 percent

### Description of Julesburg

#### Setting

Landform: Plains  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian sands

#### Properties and Qualities

Slope: 0 to 3 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 6.4 inches)

#### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 4e  
Ecological site: Deep Sands (R072XY016CO)

#### Typical Profile

0 to 11 inches: loamy sand  
11 to 34 inches: sandy loam  
34 to 60 inches: sand

### Minor Components

#### Haxtun

Percent of map unit: 13 percent

#### Dailey

Percent of map unit: 12 percent

## Map Unit Description

Yuma County, Colorado

### 44 Valent sand, 9 to 15 percent slopes

#### Setting

Elevation: 3900 to 6800 feet  
Mean annual precipitation: 12 to 17 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 160 days

#### Composition

Valent and similar soils: 80 percent  
Minor components: 20 percent

#### Description of Valent

##### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Eolian sands

##### Properties and Qualities

Slope: 9 to 15 percent  
Drainage class: Excessively drained  
Capacity of the most limiting layer to transmit water (Ksat): High or very high (5.95 to 19.98 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 4.2 inches)

##### Interpretive Groups

Land capability classification (irrigated): 6e  
Land capability (non irrigated): 6e  
Ecological site: Deep Sands (R072XY016CO)

##### Typical Profile

0 to 4 inches: sand  
4 to 60 inches: sand

#### Minor Components

##### Dailey

Percent of map unit: 15 percent

##### Blowouts

Percent of map unit: 5 percent