

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

43 Valent sand, 1 to 9 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: 1 to 9 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): 4e
Land capability (non irrigated): 6e
Ecological site: Deep Sands (R072XY016CO)

Typical Profile

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

Minor Components

Haxtun

Percent of map unit: 10 percent

Dailey

Percent of map unit: 10 percent