

Map Unit Description

Yuma County, Colorado

23 Julesburg loamy sand, 3 to 7 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: 60 percent
Minor components: 40 percent

Description of Julesburg

Setting

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

Properties and Qualities

Slope: 3 to 7 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: Low (about 5.8 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 6e
Ecological site: Deep Sands (R072XY016CO)

Typical Profile

0 to 11 inches: loamy sand
11 to 19 inches: sandy loam
19 to 60 inches: sand

Minor Components

Manter

Percent of map unit: 28 percent

Dailey

Percent of map unit: 12 percent

Map Unit Description

Yuma County, Colorado

30 Manter sandy loam, 2 to 5 percent slopes

Setting

Elevation: 4100 to 5400 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 155 days

Composition

Manter and similar soils: 90 percent
Minor components: 10 percent

Description of Manter

Setting

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

Properties and Qualities

Slope: 2 to 5 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 6.8 inches)

Interpretive Groups

Land capability classification (irrigated): 3e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R072XY023CO)

Typical Profile

0 to 6 inches: sandy loam
6 to 28 inches: sandy loam
28 to 60 inches: sandy loam

Minor Components

Ascalon

Percent of map unit: 5 percent

Julesburg

Percent of map unit: 5 percent