

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

Rangeland Productivity and Plant Composition

Yuma County, Colorado

Map symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		Lb/Ac	Lb/Ac	Lb/Ac		Pct
23: Julesburg	Deep Sands	2,500	2,000	1,500	Prairie sandreed	30
					Switchgrass	20
					Sand bluestem	15
					Little bluestem	5
					Needleandthread	5
					Sand dropseed	5
					Sand sagebrush	5
					Yellow Indiangrass	5