

Map Unit Description

Yuma County, Colorado

7 Bayard fine sandy loam, 2 to 6 percent slopes

Setting

Elevation: 3600 to 4600 feet
Mean annual precipitation: 15 to 18 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 125 to 155 days

Composition

Bayard and similar soils: 85 percent
Minor components: 15 percent

Description of Bayard

Setting

Landform: Alluvial fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Wind-reworked, calcareous sandy

Properties and Qualities

Slope: 2 to 6 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.0 inches)

Interpretive Groups

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

Typical Profile

0 to 15 inches: fine sandy loam
15 to 36 inches: fine sandy loam
36 to 60 inches: loamy fine sand

Minor Components

Kim

Percent of map unit: 5 percent

Rock outcrop

Percent of map unit: 5 percent

Razor

Percent of map unit: 3 percent

Midway

Percent of map unit: 2 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 Lb/Ac	Normal year Lb/Ac	Unfavorable year Lb/Ac		
7: Bayard	Sandy Plains	2,000	1,600	800	Prairie sandreed Little bluestem Switchgrass Sideoats grama Sand dropseed	Pct 25 10 10 8 5

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 Lb/Ac	Normal year Lb/Ac	Unfavorable year Lb/Ac		
23: Julesburg	Deep Sands	2,500	2,000	1,500	Prairie sandreed Switchgrass Sand bluestem Little bluestem Needleandthread Sand dropseed Sand sagebrush Yellow Indiangrass	Pct 30 20 15 5 5 5 5 5