

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

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
30: Manter	Sandy Plains	2,000	1,600	800	Prairie sandreed Little bluestem Switchgrass Sideoats grama Sand dropseed	25 10 10 8 5