

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

Map Unit Description

Yuma County, Colorado

18 Haxtun loamy sand

Setting

Elevation: 4100 to 4600 feet
Mean annual precipitation: 15 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 145 to 150 days

Composition

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

Description of Haxtun

Setting

Landform: Valleys, swales
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands over older buried soil

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 5.0
Available water capacity: Moderate (about 8.1 inches)

Interpretive Groups

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

Typical Profile

0 to 10 inches: loamy sand
10 to 20 inches: sandy loam
20 to 41 inches: sandy clay loam
41 to 60 inches: sandy loam

Minor Components

Manter

Percent of map unit: 9 percent

Dailey

Percent of map unit: 6 percent