

Map Unit Description

Yuma County, Colorado

29 Manter loamy sand

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: 80 percent
Minor components: 20 percent

Description of Manter

Setting

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

Properties and Qualities

Slope: 0 to 3 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 6.5 inches)

Interpretive Groups

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

Typical Profile

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

Minor Components

Haxtun

Percent of map unit: 20 percent

Map Unit Description

Yuma County, Colorado

19 Haxtun sandy loam

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: 90 percent
Minor components: 10 percent

Description of Haxtun

Setting

Landform: Valleys, swales
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or mixed eolian deposits over 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 8.2 inches)

Interpretive Groups

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

Typical Profile

0 to 7 inches: sandy loam
7 to 20 inches: sandy loam
20 to 33 inches: sandy clay loam
33 to 60 inches: sandy loam

Minor Components

Ascalon

Percent of map unit: 10 percent