

Yuma County, Colorado

29—Manter loamy sand

Map Unit Setting

Elevation: 4,100 to 5,400 feet

Mean annual precipitation: 15 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 145 to 155 days

Map Unit 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

Typical profile

H1 - 0 to 6 inches: neutral, loamy sand

H2 - 6 to 28 inches: neutral, sandy loam

H3 - 28 to 60 inches: moderately alkaline, sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Moderate (about 6.5 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: B

Ecological site: Sandy Plains (R072XY023CO)

Minor Components

Haxtun

Percent of map unit: 20 percent

Data Source Information

Soil Survey Area: Yuma County, Colorado
Survey Area Data: Version 14, Dec 23, 2013