

Yuma County, Colorado

43—Valent sand, 1 to 9 percent slopes

Map Unit Setting

Elevation: 3,900 to 6,800 feet

Mean annual precipitation: 12 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 145 to 160 days

Map Unit 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

Typical profile

H1 - 0 to 4 inches: neutral, sand

H2 - 4 to 60 inches: slightly alkaline, sand

Properties and qualities

Slope: 1 to 9 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Excessively drained

Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 4.2 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 6e

Hydrologic Soil Group: A

Ecological site: Deep Sands (R072XY016CO)

Minor Components

Dailey

Percent of map unit: 10 percent

Haxtun

Percent of map unit: 10 percent

Data Source Information

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