

Map Unit Description

Yuma County, Colorado

46 Valent sand-Blownout land complex, 1 to 25 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: 40 percent
Blownout land: 40 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 25 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): 6e
Land capability (non irrigated): 6e
Ecological site: Choppy Sands (R072XY020CO)

Typical Profile

0 to 4 inches: sand
4 to 60 inches: sand

Description of Blownout land

Setting

Landform: Blowouts on hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Properties and Qualities

Slope: 1 to 25 percent
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
Available water capacity: Very low (about 2.4 inches)

Interpretive Groups

Land capability (non irrigated): 8e

Typical Profile

0 to 6 inches: sand
6 to 60 inches: sand

Minor Components

Other soils

Percent of map unit: 20 percent