

# Map Unit Description

Yuma County, Colorado

## 44 Valent sand, 9 to 15 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: 9 to 15 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: Deep Sands (R072XY016CO)

#### Typical Profile

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

### Minor Components

#### Dailey

Percent of map unit: 15 percent

#### Blowouts

Percent of map unit: 5 percent