

# Map Unit Description

Yuma County, Colorado

43 Valent sand, 1 to 9 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: 1 to 9 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): 4e  
Land capability (non irrigated): 6e  
Ecological site: Deep Sands (R072XY016CO)

### Typical Profile

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

## Minor Components

### Haxtun

Percent of map unit: 10 percent

### Dailey

Percent of map unit: 10 percent

# Map Unit Description

Yuma County, Colorado

23 Julesburg loamy sand, 3 to 7 percent slopes

## Setting

Elevation: 4100 to 4800 feet  
Mean annual precipitation: 15 to 19 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 155 days

## Composition

Julesburg and similar soils: 60 percent  
Minor components: 40 percent

## Description of Julesburg

### Setting

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

### Properties and Qualities

Slope: 3 to 7 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 0 percent  
Gypsum maximum: 0 percent  
Available water capacity: Low (about 5.8 inches)

### Interpretive Groups

Land capability classification (irrigated): 4e  
Land capability (non irrigated): 6e  
Ecological site: Deep Sands (R072XY016CO)

### Typical Profile

0 to 11 inches: loamy sand  
11 to 19 inches: sandy loam  
19 to 60 inches: sand

## Minor Components

### Manter

Percent of map unit: 28 percent

### Dailey

Percent of map unit: 12 percent

# 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