# 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

Haxtur

Percent of map unit: 10 percent

Dailey

Percent of map unit: 10 percent



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# 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

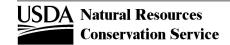
0 to 11 inches: loamy sand 11 to 19 inches: sandy loam 19 to 60 inches: sand

## Minor Components

Manter

Percent of map unit: 28 percent

Percent of map unit: 12 percent



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# 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)

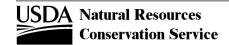
Typical Profile

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



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