

# 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

# Map Unit Description

Yuma County, Colorado

19 Haxtun sandy loam

## Setting

Elevation: 4100 to 4600 feet  
Mean annual precipitation: 15 to 17 inches  
Mean annual air temperature: 48 to 52 degrees F  
Frost-free period: 145 to 150 days

## Composition

Haxtun and similar soils: 90 percent  
Minor components: 10 percent

## Description of Haxtun

### Setting

Landform: Valleys, swales  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium and/or mixed eolian deposits over buried soil

### Properties and Qualities

Slope: 0 to 3 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Sodium adsorption ratio maximum: 5.0  
Available water capacity: Moderate (about 8.2 inches)

### Interpretive Groups

Land capability classification (irrigated): 3e  
Land capability (non irrigated): 3e  
Ecological site: Sandy Plains (R072XY023CO)

### Typical Profile

0 to 7 inches: sandy loam  
7 to 20 inches: sandy loam  
20 to 33 inches: sandy clay loam  
33 to 60 inches: sandy loam

## Minor Components

### Ascalon

Percent of map unit: 10 percent