

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

Rangeland Productivity and Plant Composition

Yuma County, Colorado

| Map symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|-----------------------------|-----------------|-----------------------------|----------------|---------------------|---|--|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/Ac | Lb/Ac | Lb/Ac | | Pct |
| 19: Haxtun | Sandy Plains | 2,300 | 1,750 | 1,000 | Prairie sandreed Little bluestem Sand bluestem Switchgrass Needleandthread Sideoats grama Sun sedge Western wheatgrass | 20 10 10 10 5 5 3 3 |

Map Unit Description

Yuma County, Colorado

25 Kuma-Keith silt loams

Setting

Elevation: 3500 to 5400 feet
Mean annual precipitation: 15 to 18 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 160 days

Composition

Kuma and similar soils: 55 percent
Keith and similar soils: 30 percent
Minor components: 15 percent

Description of Kuma

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 5.95 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 2 percent
Available water capacity: High (about 11.1 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 10 inches: silt loam
10 to 30 inches: silty clay loam
30 to 60 inches: silt loam

Description of Keith

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 0 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.20 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.8 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2e
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 4 inches: silt loam
4 to 15 inches: silty clay loam

Map Unit Description

Yuma County, Colorado

15 to 60 inches: silt loam

Minor Components

Colby

Percent of map unit: 10 percent

Other soils

Percent of map unit: 3 percent

Aquic haplustolls

Percent of map unit: 2 percent

Landform: Depressions

Rangeland Productivity and Plant Composition

Yuma County, Colorado

| Map symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|-----------------------------|-----------------|-----------------------------|----------------|---------------------|--|--------------------------|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/Ac | Lb/Ac | Lb/Ac | | Pct |
| 25: Kuma | Loamy Plains | 2,000 | 1,800 | 1,400 | Western wheatgrass Green needlegrass | 15 5 |
| Keith | Loamy Plains | 1,800 | 1,500 | 800 | Western wheatgrass Green needlegrass Needleandthread | 40 25 5 |