

Yuma County, Colorado

36—Platte fine sandy loam

Map Unit Setting

Elevation: 3,500 to 4,200 feet

Mean annual precipitation: 16 to 18 inches

Mean annual air temperature: 50 to 52 degrees F

Frost-free period: 130 to 150 days

Map Unit Composition

Platte and similar soils: 90 percent

Minor components: 10 percent

Description of Platte

Setting

Landform: Flood plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Calcareous sandy alluvium

Typical profile

H1 - 0 to 6 inches: slightly alkaline, fine sandy loam

H2 - 6 to 13 inches: slightly alkaline, fine sand

H3 - 13 to 60 inches: slightly alkaline, gravelly coarse sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Poorly drained

Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)

Depth to water table: About 24 to 72 inches

Frequency of flooding: Frequent

Frequency of ponding: None

Calcium carbonate, maximum in profile: 10 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: Low (about 3.3 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6w

Hydrologic Soil Group: B/D

Ecological site: Sandy Meadow (R072XY029CO)

Minor Components

Bankard

Percent of map unit: 9 percent

Las animas, frequently flooded

Percent of map unit: 1 percent

Landform: Terraces

Data Source Information

Soil Survey Area: Yuma County, Colorado

Survey Area Data: Version 14, Dec 23, 2013

Yuma County, Colorado

19—Haxtun sandy loam

Map Unit Setting

Elevation: 4,100 to 4,600 feet

Mean annual precipitation: 15 to 17 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 145 to 150 days

Map Unit 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

Typical profile

H1 - 0 to 7 inches: neutral, sandy loam

H2 - 7 to 20 inches: neutral, sandy loam

H3 - 20 to 33 inches: moderately alkaline, sandy clay loam

H4 - 33 to 60 inches: moderately alkaline, sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum in profile: 15 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum in profile: 5.0

Available water storage in profile: Moderate (about 8.2 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance

Land capability classification (irrigated): 3e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: B

Ecological site: Sandy Plains (R072XY023CO)

Minor Components

Ascalon

Percent of map unit: 10 percent

Data Source Information

Soil Survey Area: Yuma County, Colorado

Survey Area Data: Version 14, Dec 23, 2013