

Phillips County, Colorado

HtB—Haxtun loamy sand, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 35m8

Elevation: 3,400 to 5,600 feet

Mean annual precipitation: 13 to 20 inches

Mean annual air temperature: 48 to 52 degrees F

Frost-free period: 125 to 150 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Haxtun and similar soils: 80 percent

Minor components: 20 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Haxtun

Setting

Landform: Hills

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Loam sandy and/or sand loamy

Typical profile

H1 - 0 to 9 inches: loamy sand

H2 - 9 to 19 inches: sandy loam

H3 - 19 to 33 inches: loam

H4 - 33 to 50 inches: gravelly sandy loam

H5 - 50 to 60 inches: sandy loam

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Low

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

Moderately high to high (0.57 to 2.00 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 8.3 inches)

Interpretive groups

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

Julesburg

Percent of map unit: 6 percent

Valentine

Percent of map unit: 4 percent

Data Source Information

Soil Survey Area: Phillips County, Colorado

Survey Area Data: Version 8, Dec 23, 2013