

Weld County, Colorado, Southern Part

49—Osgood sand, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,680 to 4,900 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 140 to 150 days

Map Unit Composition

Osgood and similar soils: 85 percent
Minor components: 15 percent

Description of Osgood

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian sands

Typical profile

H1 - 0 to 22 inches: neutral, sand
H2 - 22 to 34 inches: neutral, sandy loam
H3 - 34 to 60 inches: moderately alkaline, sand

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): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water storage in profile: Low (about 4.8 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: C
Ecological site: Deep Sand (R067BY015CO)

Minor Components

Valent

Percent of map unit: 10 percent

MOSE H 22-765 PAD
T3N, R65W, SEC 22
SE 1/4 SW 1/4

Dailey

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 12, Jan 3, 2014