

Map Unit Description

Cheyenne County, Colorado

45 Sundance loamy sand, 0 to 3 percent slopes

Setting

Elevation: 4000 to 5000 feet
Mean annual precipitation: 14 to 14 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 150 to 150 days

Composition

Sundance and similar soils: 70 percent
Minor components: 30 percent

Description of Sundance

Setting

Landform: Flats
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian deposits derived from sedimentary rock over loess derived from sedimentary rock

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
Available water capacity: Moderate (about 9.0 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 8 inches: loamy sand
8 to 16 inches: sandy loam, sandy clay loam
16 to 50 inches: clay loam, silty clay loam
50 to 60 inches: silt loam

Minor Components

Olney

Percent of map unit: 12 percent

Vona

Percent of map unit: 10 percent

Bijou

Percent of map unit: 8 percent