

Map Unit Description

Kiowa County, Colorado

35 Sundance loamy sand

Setting

Elevation: 4000 to 5000 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 150 to 150 days

Composition

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

Description of Sundance

Setting

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

Properties and Qualities

Slope: 0 to 2 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 8.9 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067BY024CO)
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Typical Profile

0 to 8 inches: loamy sand
8 to 17 inches: sandy loam
17 to 28 inches: clay loam
28 to 60 inches: silt loam

Minor Components

Other soils

Percent of map unit: 15 percent