

Map Unit Description

Morgan County, Colorado

VcD Valent sand, 5 to 25 percent slopes

Setting

Elevation: 4280 to 4690 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 140 to 170 days

Composition

Valent and similar soils: 88 percent
Minor components: 12 percent

Description of Valent

Setting

Landform: Dunes
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy eolian sands

Properties and Qualities

Slope: 5 to 25 percent
Drainage class: Excessively drained
Capacity of the most limiting layer to transmit water (Ksat): Very high (20.00 to 20.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 3 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.2 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Choppy Sands (R067BY022CO)

Typical Profile

0 to 6 inches: sand
6 to 14 inches: sand
14 to 44 inches: sand
44 to 80 inches: sand

Minor Components

Vona soils

Percent of map unit: 7 percent
Landform: Plains
Ecological site: Deep Sand (R067BY015CO)
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Blakeland soils

Percent of map unit: 5 percent
Landform: Plains
Ecological site: Deep Sand (R067BY015CO)
Other vegetative classification: DEEP SANDS (067XY015CO_2)