

Map Unit Description

Douglas-Plateau Area, Colorado, Parts of Garfield and Mesa Counties

44 Happle very channery sandy loam, 3 to 12 percent slopes

Setting

Elevation: 5200 to 6000 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 100 to 150 days

Composition

Happle and similar soils: 80 percent

Description of Happle

Setting

Landform: Alluvial fans
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Green river formation alluvium derived from shale

Properties and Qualities

Slope: 3 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 3.4 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Rolling Loam (R034XY298CO)

Typical Profile

0 to 7 inches: very channery sandy loam
7 to 14 inches: very channery sandy loam
14 to 32 inches: very channery sandy clay loam
32 to 60 inches: extremely channery sandy loam