

Map Unit Description

Fremont County Area, Colorado

65 Manvel silt loam, 0 to 3 percent slopes

Setting

Elevation: 5000 to 5300 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 51 to 53 degrees F
Frost-free period: 160 to 170 days

Composition

Manvel and similar soils: 95 percent

Description of Manvel

Setting

Landform: Stream terraces, plains, fans, hills
Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from limestone and shale

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: 40 percent
Gypsum maximum: 5 percent
Salinity maximum: Non saline or very slightly saline (2.0 to 4.0 mmhos/cm)
Sodium adsorption ratio maximum: 5.0
Available water capacity: High (about 9.7 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 6c
Ecological site: Loamy Plains (R069XY006CO)

Typical Profile

0 to 6 inches: silt loam
6 to 60 inches: silt loam, silty clay loam, loam

Minnequa

Percent of map unit: percent