

Map Unit Description

Moffat County Area, Colorado

134 Morapos loam, 3 to 12 percent slopes

Setting

Elevation: 6400 to 7600 feet
Mean annual precipitation: 16 to 18 inches
Mean annual air temperature: 40 to 43 degrees F
Frost-free period: 65 to 85 days

Composition

Morapos and similar soils: 85 percent

Description of Morapos

Setting

Landform: Plateaus
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum derived from shale and in loess

Properties and Qualities

Slope: 3 to 12 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 3 percent
Gypsum maximum: 0 percent
Sodium adsorption ratio maximum: 2.0
Available water capacity: High (about 9.2 inches)

Interpretive Groups

Land capability classification (irrigated): 4e
Land capability (non irrigated): 4e
Ecological site: Mountain Loam (R048AY228CO)

Typical Profile

0 to 10 inches: loam
10 to 28 inches: clay loam
28 to 60 inches: clay loam