

Map Unit Description

Fremont County Area, Colorado

62 Limon-Gaynor silty clay loams, 3 to 12 percent slopes

Setting

Elevation: 5100 to 5500 feet
Mean annual precipitation: 11 to 13 inches
Mean annual air temperature: 51 to 53 degrees F
Frost-free period: 150 to 170 days

Composition

Limon and similar soils: 55 percent
Gaynor and similar soils: 35 percent

Description of Limon

Setting

Landform: Hills
Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium derived from shale

Properties and Qualities

Slope: 3 to 12 percent
Depth to restrictive feature: 40 to 60 inches to Paralithic bedrock
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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 7.5 inches)

Interpretive Groups

Land capability (non irrigated): 6c
Ecological site: Salt Flat (R069XY033CO)

Typical Profile

0 to 3 inches: silty clay loam
3 to 46 inches: silty clay, clay, silty clay loam
46 to 50 inches: weathered bedrock

Description of Gaynor

Setting

Landform: Hills
Landform position (two-dimensional): Footslope
Down-slope shape: Linear
Across-slope shape: Linear

Properties and Qualities

Slope: 3 to 12 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.1 inches)

Interpretive Groups

Land capability (non irrigated): 6c
Ecological site: Shaly Plains (R069XY046CO)

Typical Profile

0 to 4 inches: silty clay loam
4 to 30 inches: silty clay loam, silty clay

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30 to 34 inches: weathered bedrock

Gullies

Percent of map unit: percent

Midway

Percent of map unit: percent