

Map Unit Description

Weld County, Colorado, Southern Part

36 Midway-Shingle complex, 5 to 20 percent slopes

Setting

Elevation: 5050 to 5250 feet
Mean annual precipitation: 10 to 17 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 100 to 180 days

Composition

Midway and similar soils: 50 percent
Shingle and similar soils: 35 percent
Minor components: 15 percent

Description of Midway

Setting

Landform: Ridges, hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous residuum weathered from shale

Properties and Qualities

Slope: 5 to 20 percent
Depth to restrictive feature: 6 to 20 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: 15 percent
Gypsum maximum: 15 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Sodium adsorption ratio maximum: 15.0
Available water capacity: Very low (about 2.0 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Shaly Plains (R067BY045CO)

Typical Profile

0 to 7 inches: clay
7 to 13 inches: clay
13 to 17 inches: weathered bedrock

Description of Shingle

Setting

Landform: Hills, ridges
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Residuum weathered from calcareous shale

Properties and Qualities

Slope: 5 to 20 percent
Depth to restrictive feature: 10 to 20 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 3.3 inches)

Interpretive Groups

Land capability classification (irrigated): 6s
Land capability (non irrigated): 6s
Ecological site: Shaly Plains (R067BY045CO)

Map Unit Description

Weld County, Colorado, Southern Part

Typical Profile

0 to 6 inches: loam

6 to 18 inches: clay loam

18 to 22 inches: unweathered bedrock

Minor Components

Renohill

Percent of map unit: 8 percent

Tassel

Percent of map unit: 7 percent