

Map Unit Description

Weld County, Colorado, Northern Part

36 Manzanola clay loam, 0 to 3 percent slopes

Setting

Elevation: 4400 to 5600 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 180 days

Composition

Manzanola and similar soils: 85 percent
Minor components: 15 percent

Description of Manzanola

Setting

Landform: Stream terraces, swales, plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous clayey alluvium

Properties and Qualities

Slope: 0 to 3 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: 5 percent
Gypsum maximum: 3 percent
Sodium adsorption ratio maximum: 15.0
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 3 inches: clay loam
3 to 25 inches: clay
25 to 48 inches: clay
48 to 60 inches: clay loam

Minor Components

Avar

Percent of map unit: 15 percent

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T9N - R58W - 6th P.M.

SECTION 9: SE/4 SE/4

WELD COUNTY, CO

Map Unit Description

Weld County, Colorado, Northern Part

37 Midway clay loam, 0 to 9 percent slopes

Setting

Elevation: 3500 to 6000 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: 80 percent
Minor components: 20 percent

Description of Midway

Setting

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

Properties and Qualities

Slope: 0 to 9 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 1.9 inches)

Interpretive Groups

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

Typical Profile

0 to 3 inches: clay loam
3 to 11 inches: clay
11 to 15 inches: weathered bedrock

Minor Components

Reno Hill

Percent of map unit: 9 percent

Stoneham

Percent of map unit: 6 percent

Terry

Percent of map unit: 5 percent

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SECTION 9: SE1/4 SE1/4

WELD COUNTY, CO