Green VSA EE13-06
T7N, R65W, 6th P.M
Section 13: SE/4NW/4

Map Unit Description

Weld County, Colorado, Northern Part

44 Olney fine sandy loam, 0 to 6 percent slopes

Setting

Elevation: 3500 to 5800 feet
Mean annual precipitation: 11 to 15 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 175 days

Composition

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

Description of Olney

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loamy alluvium

Properties and Qualities

Slope: 0 to 6 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.1 inches)

Interpretive Groups

Land capability (non irrigated): 4c
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 6 inches: fine sandy loam
6 to 18 inches: sandy clay loam
18 to 60 inches: sandy loam
60 to 64 inches: sandy loam

Minor Components

Stoneham

Percent of map unit: 9 percent

Ascalon

Percent of map unit: 6 percent

Green USX EE13-06
T 7N, R65W, 6th P.M
Section 13: SE/4NW/4

Map Unit Description

Weld County, Colorado, Northern Part

55 Renohill fine sandy loam, 0 to 6 percent slopes

Setting

Elevation: 3600 to 6200 feet
Mean annual precipitation: 11 to 16 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 100 to 160 days

Composition

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

Description of Renohill

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous, clayey loamy residuum weathered from shale

Properties and Qualities

Slope: 0 to 6 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.4 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 5 inches: fine sandy loam
5 to 18 inches: clay
18 to 32 inches: clay loam
32 to 36 inches: unweathered bedrock

Minor Components

Shingle

Percent of map unit: 5 percent

Midway

Percent of map unit: 4 percent

Ulm

Percent of map unit: 3 percent

Other soils

Percent of map unit: 3 percent