

Map Unit Description

Weld County, Colorado, Southern Part

67 Ulm clay loam, 3 to 5 percent slopes

Setting

Elevation: 5070 to 5200 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 105 to 120 days

Composition

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

Description of Ulm

Setting

Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or eolian deposits derived from shale

Properties and Qualities

Slope: 3 to 5 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.5 inches)

Interpretive Groups

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

Typical Profile

0 to 5 inches: clay loam
5 to 17 inches: clay
17 to 60 inches: clay loam

Minor Components

Renohill

Percent of map unit: 11 percent

Heldt

Percent of map unit: 4 percent