

# 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

#### Renhill

Percent of map unit: 11 percent

#### Heldt

Percent of map unit: 4 percent