

## Weld County, Colorado, Southern Part

### 66—Ulm clay loam, 0 to 3 percent slopes

#### Map Unit Setting

*Elevation:* 5,070 to 5,200 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 46 to 48 degrees F  
*Frost-free period:* 105 to 120 days

#### Map Unit 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:* 0 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water*  
*(Ksat):* Moderately low to moderately high (0.06 to 0.20 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Calcium carbonate, maximum content:* 15 percent  
*Maximum salinity:* Nonsaline (0.0 to 2.0 mmhos/cm)  
*Available water capacity:* High (about 10.4 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated  
*Land capability classification (irrigated):* 3e  
*Land capability (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Clayey Plains (R067BY042CO)

##### Typical profile

*0 to 5 inches:* Clay loam  
*5 to 19 inches:* Clay  
*19 to 60 inches:* Clay loam

#### Minor Components

##### Renohill

*Percent of map unit:* 10 percent

**Heldt**

*Percent of map unit: 5 percent*

**Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 11, Aug 27, 2009