

## Weld County, Colorado, Southern Part

### 67—Ulm clay loam, 3 to 5 percent slopes

#### Map Unit Setting

*National map unit symbol:* 363k

*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

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Ulm and similar soils:* 85 percent

*Minor components:* 15 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Ulm

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Alluvium and/or eolian deposits derived from shale

##### Typical profile

*H1 - 0 to 5 inches:* clay loam

*H2 - 5 to 17 inches:* clay

*H3 - 17 to 60 inches:* clay loam

##### Properties and qualities

*Slope:* 3 to 5 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Low

*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 in profile:* 15 percent

*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Available water storage in profile:* High (about 10.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* C

*Ecological site:* Clayey Plains (R067BY042CO)

*Hydric soil rating:* No

### **Minor Components**

#### **Reno Hill**

*Percent of map unit:* 11 percent

*Hydric soil rating:* No

#### **Heldt**

*Percent of map unit:* 4 percent

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 15, Sep 22, 2016