

## Adams County Area, Parts of Adams and Denver Counties, Colorado

### AaB—Adena loam, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34vd  
*Elevation:* 4,700 to 5,500 feet  
*Mean annual precipitation:* 12 to 14 inches  
*Mean annual air temperature:* 52 to 55 degrees F  
*Frost-free period:* 120 to 160 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Adena and similar soils:* 87 percent  
*Minor components:* 13 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Adena

##### Setting

*Landform:* Plains  
*Landform position (three-dimensional):* Talf  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Eolian deposits derived from mixed

##### Typical profile

*H1 - 0 to 4 inches:* loam  
*H2 - 4 to 22 inches:* silty clay loam  
*H3 - 22 to 60 inches:* silt loam

##### Properties and qualities

*Slope:* 0 to 3 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 high (0.20 to 0.60 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  
*Available water storage in profile:* High (about 10.1 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)  
*Hydric soil rating:* No

### **Minor Components**

#### **Weld**

*Percent of map unit:* 13 percent

*Hydric soil rating:* No

### **Data Source Information**

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties,  
Colorado

Survey Area Data: Version 12, Sep 22, 2015