

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

### AcC—Adena-Colby association, gently sloping

#### Map Unit Setting

*National map unit symbol:* 34vg  
*Elevation:* 4,000 to 5,600 feet  
*Mean annual precipitation:* 12 to 17 inches  
*Mean annual air temperature:* 48 to 55 degrees F  
*Frost-free period:* 120 to 160 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Adena and similar soils:* 40 percent  
*Colby and similar soils:* 30 percent  
*Minor components:* 30 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:* 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 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):* 3e  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* C  
*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

## **Description of Colby**

### **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 5 inches:* loam

*H2 - 5 to 56 inches:* loam

*H3 - 56 to 60 inches:* sandy 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 high to high (0.20 to 2.00 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):* 4e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Plains (R067BY002CO)

*Hydric soil rating:* No

## **Minor Components**

### **Wiley**

*Percent of map unit:* 25 percent

*Other vegetative classification:* LOAMY PLAINS (067XY002CO\_1)

*Hydric soil rating:* No

### **Platner**

*Percent of map unit:* 3 percent

*Hydric soil rating:* No

### **Weld**

*Percent of map unit:* 2 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 14, Oct 5, 2017