

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

### VoB—Vona sandy loam, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34xb

*Elevation:* 4,000 to 5,600 feet

*Mean annual precipitation:* 13 to 15 inches

*Mean annual air temperature:* 48 to 52 degrees F

*Frost-free period:* 125 to 155 days

*Farmland classification:* Prime farmland if irrigated and the product of I (soil erodibility) x C (climate factor) does not exceed 60

#### Map Unit Composition

*Vona and similar soils:* 90 percent

*Minor components:* 10 percent

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

#### Description of Vona

##### Setting

*Landform:* Plains

*Landform position (three-dimensional):* Talf

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Eolian sands

##### Typical profile

*H1 - 0 to 9 inches:* sandy loam

*H2 - 9 to 22 inches:* sandy loam

*H3 - 22 to 60 inches:* loamy sand

##### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Natural drainage class:* Well drained

*Runoff class:* Very low

*Capacity of the most limiting layer to transmit water (Ksat):* High  
(1.98 to 6.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum in profile:* 10 percent

*Gypsum, maximum in profile:* 2 percent

*Salinity, maximum in profile:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

*Available water storage in profile:* Moderate (about 6.3 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e

*Land capability classification (nonirrigated): 4c*  
*Hydrologic Soil Group: A*  
*Ecological site: Sandy Plains (R067BY024CO)*  
*Hydric soil rating: No*

#### **Minor Components**

##### **Dacono**

*Percent of map unit: 8 percent*  
*Hydric soil rating: No*

##### **Tryon**

*Percent of map unit: 2 percent*  
*Landform: Swales*  
*Hydric soil rating: Yes*

## **Data Source Information**

Soil Survey Area: Adams County Area, Parts of Adams and Denver Counties, Colorado  
Survey Area Data: Version 13, Sep 22, 2016