

## Arapahoe County, Colorado

### NrB—Nunn-Bresser-Ascalon complex, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 34yw  
*Elevation:* 4,500 to 6,800 feet  
*Mean annual precipitation:* 12 to 18 inches  
*Mean annual air temperature:* 46 to 57 degrees F  
*Frost-free period:* 115 to 180 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Nunn and similar soils:* 40 percent  
*Bresser and similar soils:* 25 percent  
*Ascalon and similar soils:* 20 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Nunn

##### Setting

*Landform:* Streams, playas, stream terraces  
*Landform position (three-dimensional):* Tread  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Eolian deposits

##### Typical profile

*H1 - 0 to 8 inches:* loam  
*H2 - 8 to 28 inches:* clay loam, clay  
*H2 - 8 to 28 inches:* sandy clay loam, fine sandy loam, sandy loam  
*H3 - 28 to 60 inches:*  
*H3 - 28 to 60 inches:*  
*H3 - 28 to 60 inches:*

##### 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 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:* Very high (about 20.5 inches)

### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 3c

*Hydrologic Soil Group:* C

*Ecological site:* Loamy Foothill (R049BY202CO)

### Description of Bresser

#### Setting

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Noncalcareous sandy alluvium and/or noncalcareous sandy eolian deposits

#### Typical profile

*H1 - 0 to 6 inches:* sandy loam

*H2 - 6 to 26 inches:* sandy clay loam, clay loam

*H2 - 6 to 26 inches:* loamy coarse sand, gravelly loamy sand

*H3 - 26 to 60 inches:*

*H3 - 26 to 60 inches:*

#### 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 to high (0.57 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:* 10 percent

*Available water storage in profile:* Very high (about 12.2 inches)

### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 4c

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Foothill (R049BY202CO)

### Description of Ascalon

#### Setting

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Reworked by wind outwash

#### Typical profile

*H1 - 0 to 6 inches:* sandy loam

*H2 - 6 to 17 inches:* sandy clay loam, sandy loam

*H2 - 6 to 17 inches:* fine sandy loam, loamy fine sand, sandy loam

*H3 - 17 to 60 inches:*

*H3 - 17 to 60 inches:*

*H3 - 17 to 60 inches:*

### **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 to high (0.60 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:* 10 percent

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

*Available water storage in profile:* Very high (about 16.8 inches)

### **Interpretive groups**

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 3e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Foothill (R049BY202CO)

### **Minor Components**

#### **Olney**

*Percent of map unit:* 10 percent

#### **Aquic ustochrepts**

*Percent of map unit:* 5 percent

*Landform:* Swales

## **Data Source Information**

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 10, Sep 23, 2014