

## 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:* Playas, stream terraces, streams

*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, clay loam

*H2 - 8 to 28 inches:* sandy loam, fine sandy loam, sandy clay loam

*H3 - 28 to 60 inches:*

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*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)

*Hydric soil rating:* No

### **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:* clay loam, sandy clay loam

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

*Hydric soil rating:* No

### **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 loam, sandy clay loam

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

*Hydric soil rating:* No

**Minor Components**

**Olney**

*Percent of map unit:* 10 percent

*Hydric soil rating:* No

**Aquic ustochrepts**

*Percent of map unit:* 5 percent

*Landform:* Swales

*Hydric soil rating:* Yes

**Data Source Information**

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 14, Sep 10, 2018