

## Weld County, Colorado, Southern Part

### 19—Colombo clay loam, 0 to 1 percent slopes

#### Map Unit Setting

*National map unit symbol:* 361v  
*Elevation:* 4,600 to 4,780 feet  
*Mean annual precipitation:* 12 to 16 inches  
*Mean annual air temperature:* 48 to 52 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Prime farmland if irrigated

#### Map Unit Composition

*Colombo and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Colombo

##### Setting

*Landform:* Flood plains, terraces  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Stratified, calcareous alluvium

##### Typical profile

*H1 - 0 to 14 inches:* clay loam  
*H2 - 14 to 21 inches:* stratified loam to clay loam  
*H3 - 21 to 60 inches:* stratified sand to loam to clay loam

##### Properties and qualities

*Slope:* 0 to 1 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:* 10 percent  
*Salinity, maximum in profile:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)  
*Available water storage in profile:* High (about 9.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 1  
*Land capability classification (nonirrigated):* 3e  
*Hydrologic Soil Group:* C  
*Ecological site:* Clayey Plains (R067BY042CO)  
*Hydric soil rating:* No

### Minor Components

#### Dacono

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### Nunn

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

#### Heldt

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 15, Sep 22, 2016

## Weld County, Colorado, Southern Part

### 72—Vona loamy sand, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 363r  
*Elevation:* 4,600 to 5,200 feet  
*Mean annual precipitation:* 13 to 15 inches  
*Mean annual air temperature:* 48 to 55 degrees F  
*Frost-free period:* 130 to 160 days  
*Farmland classification:* Farmland of local importance

#### Map Unit Composition

*Vona and similar soils:* 85 percent  
*Minor components:* 15 percent  
*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Vona

##### Setting

*Landform:* Terraces, plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*H1 - 0 to 6 inches:* loamy sand  
*H2 - 6 to 28 inches:* fine sandy loam  
*H3 - 28 to 60 inches:* sandy loam

##### Properties and qualities

*Slope:* 0 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:* 15 percent  
*Salinity, maximum in profile:* Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)  
*Available water storage in profile:* Moderate (about 6.5 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 4e  
*Hydrologic Soil Group:* A  
*Ecological site:* Sandy Plains (R067BY024CO)  
*Hydric soil rating:* No

### Minor Components

#### Remmit

*Percent of map unit:* 10 percent

*Hydric soil rating:* No

#### Valent

*Percent of map unit:* 5 percent

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 15, Sep 22, 2016