

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)

Minor Components

Nunn

Percent of map unit: 5 percent

Heldt

Percent of map unit: 5 percent

Dacono

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 14, Sep 22, 2015