

Weld County, Colorado, Southern Part

78—Weld loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 363y

Elevation: 4,850 to 5,000 feet

Mean annual precipitation: 13 to 17 inches

Mean annual air temperature: 46 to 55 degrees F

Frost-free period: 100 to 155 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Weld and similar soils: 80 percent

Minor components: 20 percent

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

Description of Weld

Setting

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Eolian deposits

Typical profile

H1 - 0 to 8 inches: loam

H2 - 8 to 15 inches: clay

H3 - 15 to 60 inches: silt loam

H4 - 60 to 64 inches: silt 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 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: 6 percent

Salinity, maximum in profile: Nonsaline (0.0 to 2.0 mmhos/cm)

Available water storage in profile: High (about 10.2 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: Loamy plains (R067BY002CO)

Minor Components

Keith

Percent of map unit: 9 percent

Platner

Percent of map unit: 6 percent

Wiley

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Weld County, Colorado, Southern Part

Survey Area Data: Version 13, Sep 23, 2014