

Larimer County Area, Colorado

115—Weld silt loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: jpv9

Elevation: 4,800 to 5,600 feet

Mean annual precipitation: 13 to 15 inches

Mean annual air temperature: 48 to 50 degrees F

Frost-free period: 135 to 150 days

Farmland classification: Prime farmland if irrigated

Map Unit Composition

Weld and similar soils: 90 percent

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

Description of Weld

Setting

Landform position (three-dimensional): Side slope

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Uniform-textured silty eolian deposits

Typical profile

H1 - 0 to 7 inches: silt loam

H2 - 7 to 20 inches: silty clay loam, silty clay, clay

H2 - 7 to 20 inches: silt loam, loam, silty clay loam

H2 - 7 to 20 inches: silt loam, loam, sandy loam

H3 - 20 to 30 inches:

H3 - 20 to 30 inches:

H3 - 20 to 30 inches:

H4 - 30 to 60 inches:

H4 - 30 to 60 inches:

H4 - 30 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: High

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: Very high (about 27.1 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 3e

Hydrologic Soil Group: C

Ecological site: Loamy plains (R067XY002CO)

Data Source Information

Soil Survey Area: Larimer County Area, Colorado

Survey Area Data: Version 9, Sep 22, 2014