

Arapahoe County, Colorado

WrB—Weld-Deertrail silt loams, 0 to 3 percent slopes

Map Unit Setting

Elevation: 3,600 to 6,200 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 100 to 170 days

Map Unit Composition

Weld and similar soils: 60 percent
Deertrail and similar soils: 25 percent
Minor components: 15 percent

Description of Weld

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loam silty and clayey eolian deposits

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
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 content: 6 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very high (about 27.3 inches)

Interpretive groups

Farmland classification: Not prime farmland
Land capability (nonirrigated): 3c
Hydrologic Soil Group: C
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 5 inches: Silt loam
5 to 14 inches: Silty clay loam, silty clay, clay
14 to 26 inches: Silt loam, loam, silty clay loam
26 to 60 inches: Silt loam, loam, sandy loam

Description of Deertrail

Setting

Landform: Depressions
Down-slope shape: Linear
Across-slope shape: Linear

Properties and qualities

Slope: 0 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

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 content: 15 percent

Gypsum, maximum content: 2 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 4.0 mmhos/cm)

Sodium adsorption ratio, maximum: 35.0

Available water capacity: High (about 10.7 inches)

Interpretive groups

Farmland classification: Not prime farmland

Land capability (nonirrigated): 4s

Hydrologic Soil Group: C

Ecological site: Alkaline Plains (R067BY047CO)

Typical profile

0 to 2 inches: Silt loam

2 to 9 inches: Clay

9 to 12 inches: Silty clay

12 to 32 inches: Silty clay loam

32 to 60 inches: Silt loam

Minor Components

Heldt

Percent of map unit: 7 percent

Colby

Percent of map unit: 6 percent

Adena

Percent of map unit: 2 percent

Data Source Information

Soil Survey Area: Arapahoe County, Colorado

Survey Area Data: Version 9, Dec 24, 2013