Cheyenne County, Colorado

13—Fort Collins loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,500 feet
Mean annual precipitation: 10 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 130 to 170 days

Map Unit Composition

Fort collins and similar soils: 85 percent
Minor components: 15 percent

Description of Fort Collins

Setting

Landform: Terraces, alluvial fans
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or calcareous loess

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 high to high (0.57 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline (0.0 to 2.0 mmhos/cm)
Available water capacity: Very high (about 24.8 inches)

Interpretive groups

Farmland classification: Prime farmland if irrigated
Land capability classification (irrigated): 2e
Land capability (nonirrigated): 4c
Hydrologic Soil Group: B
Ecological site: Loamy Plains (R067BY002CO)

Typical profile

0 to 5 inches: Loam
5 to 18 inches: Loam, clay loam
18 to 28 inches: Loam, clay loam
28 to 60 inches: Loam, silt loam, fine sandy loam

Minor Components

Stoneham

Percent of map unit: 5 percent

Manzanola
Percent of map unit: 5 percent

Wiley
Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Cheyenne County, Colorado
Survey Area Data: Version 12, Sep 28, 2012