

Kiowa County, Colorado

13—Fort Collins sandy loam, 0 to 3 percent slopes

Map Unit Setting

Elevation: 4,500 to 6,500 feet
Mean annual precipitation: 12 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: Plains, swales
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium and/or 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 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: High (about 9.9 inches)

Interpretive groups

Farmland classification: Farmland of statewide importance
Land capability classification (irrigated): 2e
Land capability (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: Sandy Plains (R069XY026CO)
Other vegetative classification: SANDY PLAINS (067XY024CO_1)

Typical profile

0 to 6 inches: Sandy loam
6 to 14 inches: Loam
14 to 60 inches: Loam

Minor Components

Other soils

Percent of map unit: 15 percent

Data Source Information

Soil Survey Area: Kiowa County, Colorado
Survey Area Data: Version 10, Dec 23, 2013