

## Cheyenne County, Colorado

### 8—Colby silt loam, 1 to 4 percent slopes, eroded

#### Map Unit Setting

*Elevation:* 4,000 to 5,500 feet

*Mean annual precipitation:* 12 to 16 inches

*Mean annual air temperature:* 48 to 50 degrees F

*Frost-free period:* 135 to 155 days

#### Map Unit Composition

*Colby, eroded, and similar soils:* 70 percent

*Minor components:* 30 percent

#### Description of Colby, Eroded

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loess

##### Typical profile

*A - 0 to 3 inches:* silt loam

*C - 3 to 60 inches:* silt loam

##### Properties and qualities

*Slope:* 1 to 4 percent

*Depth to restrictive feature:* More than 80 inches

*Natural 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 in profile:* 15 percent

*Available water storage in profile:* High (about 10.8 inches)

##### Interpretive groups

*Farmland classification:* Prime farmland if irrigated

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 4e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Plains (R067BY002CO)

#### Minor Components

##### Wiley

*Percent of map unit:* 20 percent

##### Ulysses

*Percent of map unit:* 5 percent

**Keith**

*Percent of map unit: 5 percent*

**Data Source Information**

Soil Survey Area: Cheyenne County, Colorado

Survey Area Data: Version 13, Dec 23, 2013