

## Cheyenne County, Colorado

### 9—Colby silt loam, 4 to 12 percent slopes

#### 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 and similar soils:* 65 percent

*Minor components:* 35 percent

#### Description of Colby

##### Setting

*Landform:* Hills

*Landform position (three-dimensional):* Crest, side slope

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Loess

##### Properties and qualities

*Slope:* 4 to 12 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

*Available water capacity:* High (about 10.8 inches)

##### Interpretive groups

*Farmland classification:* Not prime farmland

*Land capability classification (irrigated):* 6e

*Land capability (nonirrigated):* 6e

*Hydrologic Soil Group:* B

*Ecological site:* Loamy Slopes (R067BY008CO)

##### Typical profile

*0 to 3 inches:* Silt loam

*3 to 60 inches:* Silt loam

#### Minor Components

##### Kim

*Percent of map unit:* 20 percent

##### Wiley

*Percent of map unit:* 10 percent

**Satanta**

*Percent of map unit: 5 percent*

**Data Source Information**

Soil Survey Area: Cheyenne County, Colorado

Survey Area Data: Version 12, Sep 28, 2012