

# Map Unit Description

Cheyenne County, Colorado

## 26 Kim-Pultney complex, 1 to 9 percent slopes

### Setting

Elevation: 3500 to 5900 feet  
Mean annual precipitation: 12 to 16 inches  
Mean annual air temperature: 46 to 54 degrees F  
Frost-free period: 135 to 170 days

### Composition

Kim and similar soils: 50 percent  
Pultney and similar soils: 25 percent  
Minor components: 25 percent

### Description of Kim

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Alluvium and/or calcareous loamy eolian deposits

#### Properties and Qualities

Slope: 1 to 9 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 20 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 9.6 inches)

#### Interpretive Groups

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R069XY006CO)

#### Typical Profile

0 to 7 inches: loam  
7 to 60 inches: loam, clay loam, sandy clay loam

### Description of Pultney

#### Setting

Landform: Hills  
Down-slope shape: Linear  
Across-slope shape: Linear  
Parent material: Slope alluvium over residuum weathered from shale

#### Properties and Qualities

Slope: 2 to 9 percent  
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.60 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 25 percent  
Gypsum maximum: 5 percent  
Salinity maximum: Very slightly saline or moderately saline (4.0 to 16.0 mmhos/cm)  
Available water capacity: Low (about 4.3 inches)

#### Interpretive Groups

Land capability (non irrigated): 6e  
Ecological site: Loamy Plains (R067BY002CO)

#### Typical Profile

0 to 4 inches: very fine sandy loam  
4 to 30 inches: clay loam

# Map Unit Description

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30 to 34 inches: weathered bedrock

## Minor Components

### Stoneham

Percent of map unit: 10 percent

### Midway

Percent of map unit: 8 percent

### Otero

Percent of map unit: 7 percent