

Map Unit Description

Cheyenne County, Colorado

43 Stoneham-Kim loams, 6 to 12 percent slopes

Setting

Elevation: 4000 to 6500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 130 to 170 days

Composition

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

Description of Stoneham

Setting

Landform: Hills
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Mixed, calcareous alluvium

Properties and Qualities

Slope: 6 to 12 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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.6 inches)

Interpretive Groups

Land capability classification (irrigated): 6e
Land capability (non irrigated): 6e
Ecological site: Loamy Slopes (R067BY008CO)

Typical Profile

0 to 3 inches: loam
3 to 7 inches: clay loam, sandy clay loam, loam
7 to 60 inches: loam, clay loam, sandy clay loam

Description of Kim

Setting

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

Properties and Qualities

Slope: 6 to 12 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): 4e
Land capability (non irrigated): 6e
Ecological site: Loamy Slopes (R067BY008CO)

Typical Profile

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

Map Unit Description

Cheyenne County, Colorado

Minor Components

Vona

Percent of map unit: 15 percent

Olney

Percent of map unit: 6 percent

Fort collins

Percent of map unit: 4 percent