

Map Unit Description

Cheyenne County, Colorado

42 Stoneham loam, 3 to 6 percent slopes

Setting

Elevation: 4000 to 6500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 130 to 170 days

Composition

Stoneham and similar soils: 80 percent
Minor components: 20 percent

Description of Stoneham

Setting

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

Properties and Qualities

Slope: 3 to 6 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): 4e
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

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

Minor Components

Wiley

Percent of map unit: 10 percent

Satanta

Percent of map unit: 5 percent

Fort collins

Percent of map unit: 5 percent

Map Unit Description

Cheyenne County, Colorado

38 Satanta loam, 0 to 3 percent slopes

Setting

Elevation: 3000 to 6500 feet
Mean annual precipitation: 15 to 25 inches
Mean annual air temperature: 45 to 57 degrees F
Frost-free period: 130 to 200 days

Composition

Satanta and similar soils: 90 percent
Minor components: 10 percent

Description of Satanta

Setting

Landform: Paleoterraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Alluvium

Properties and Qualities

Slope: 0 to 3 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 9.8 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 3e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 8 inches: loam
8 to 16 inches: clay loam
16 to 60 inches: loam

Minor Components

Kim

Percent of map unit: 5 percent

Ascalon

Percent of map unit: 5 percent