

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