

Map Unit Description

Cheyenne County, Colorado

53 Weld silt loam, 0 to 1 percent slopes

Setting

Elevation: 3600 to 5700 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 100 to 155 days

Composition

Weld and similar soils: 85 percent
Minor components: 15 percent

Description of Weld

Setting

Landform: Flats
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loess

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately low or moderately high (0.06 to 0.20 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 6 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.5 inches)

Interpretive Groups

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

Typical Profile

0 to 3 inches: silt loam
3 to 15 inches: silty clay loam, silty clay, clay
15 to 21 inches: silty clay loam, silty clay, clay
21 to 60 inches: silt loam, loam, silty clay loam

Minor Components

Keith

Percent of map unit: 15 percent