

Map Unit Description

Bent County, Colorado

RfB Rocky Ford clay loam, 1 to 3 percent slopes

Setting

Elevation: 3000 to 5000 feet
Mean annual precipitation: 11 to 14 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 140 to 170 days

Composition

Rocky ford and similar soils: 90 percent
Minor components: 10 percent

Description of Rocky ford

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Clayey alluvium from irrigation water over silty alluvium

Properties and Qualities

Slope: 1 to 3 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 10.9 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 6e
Ecological site: Loamy Plains (R069XY006CO)
Other vegetative classification: LOAMY PLAINS (069XY006CO_1)

Typical Profile

0 to 6 inches: clay loam
6 to 12 inches: silty clay loam
12 to 60 inches: silt loam

Minor Components

Numa

Percent of map unit: 5 percent

Kornman

Percent of map unit: 5 percent