Map Unit Description

Phillips County, Colorado

PaB Platner loam, 0 to 3 percent slopes

Setting

Elevation: 4500 to 5900 feet
Mean annual precipitation: 17 to 19 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 165 days

Composition

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

Description of Platner

Setting

Landform: Intermittent streams
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Thin silty eolian deposits over sand & gravel

Properties and Qualities

Slope: 0 to 3 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Moderate (about 8.8 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 5 inches: loam
5 to 12 inches: clay
12 to 24 inches: loam
24 to 60 inches: sandy clay loam

Minor Components

Rago

Percent of map unit: 5 percent

Other soils

Percent of map unit: 5 percent

Map Unit Description

Phillips County, Colorado

Ra Rago and Kuma loams

Setting

Landscape: Uplands
Elevation: 3500 to 5500 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 48 to 52 degrees F
Frost-free period: 140 to 160 days

Composition

Rago and similar soils: 60 percent
Kuma and similar soils: 25 percent
Minor components: 15 percent

Description of Rago

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous, limy loam silty and clayey

Properties and Qualities

Slope: 0 to 3 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: 10 percent
Gypsum maximum: 0 percent
Available water capacity: High (about 11.9 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2c
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 9 inches: loam
9 to 26 inches: silty clay loam
26 to 60 inches: silty clay loam

Description of Kuma

Setting

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Eolian deposits

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: 2 percent
Available water capacity: High (about 11.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 2e
Ecological site: Loamy Plains (R072XY001CO)

Typical Profile

0 to 8 inches: loam
8 to 37 inches: silty clay loam
37 to 60 inches: loam

Map Unit Description

Phillips County, Colorado

Minor Components

Platner
Percent of map unit: 5 percent

Richfield
Percent of map unit: 5 percent

Dawes
Percent of map unit: 3 percent

Aquic haplustolls
Percent of map unit: 2 percent
Landform: Depressions