

Map Unit Description

Morgan County, Colorado

Pa Platner fine sandy loam

Setting

Landscape: Uplands
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

Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loam

Properties and Qualities

Slope: 1 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 8.9 inches)

Interpretive Groups

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

Typical Profile

0 to 11 inches: fine sandy loam
11 to 19 inches: clay loam
19 to 34 inches: loam
34 to 60 inches: sandy loam

Minor Components

Ascalon

Percent of map unit: 10 percent