

Map Unit Description

Morgan County, Colorado

ByB Briggsdale clay loam, 1 to 3 percent slopes

Setting

Landscape: Uplands
Elevation: 3500 to 5500 feet
Mean annual precipitation: 15 to 15 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 150 to 150 days

Composition

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

Description of Briggsdale

Setting

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

Properties and Qualities

Slope: 1 to 3 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
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: 15 percent
Gypsum maximum: 0 percent
Salinity maximum: Non saline or slightly saline (2.0 to 8.0 mmhos/cm)
Available water capacity: Low (about 5.3 inches)

Interpretive Groups

Land capability classification (irrigated): 3s
Land capability (non irrigated): 4e
Ecological site: Clayey Plains (R067BY042CO)

Typical Profile

0 to 5 inches: clay loam
5 to 18 inches: clay
18 to 33 inches: loam
33 to 37 inches: weathered bedrock

Minor Components

Renohill

Percent of map unit: 7 percent

Shingle

Percent of map unit: 5 percent

Heldt

Percent of map unit: 3 percent

Map Unit Description

Morgan County, Colorado

SsC Stoneham loam, shallow, 3 to 5 percent slopes

Setting

Landscape: Uplands
Elevation: 3500 to 4500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 130 to 170 days

Composition

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

Description of Stoneham

Setting

Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Calcareous loamy outwash

Properties and Qualities

Slope: 3 to 5 percent
Depth to restrictive feature: 20 to 40 inches to Paralithic bedrock
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: 15 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.4 inches)

Interpretive Groups

Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)

Typical Profile

0 to 3 inches: loam
3 to 10 inches: loam
10 to 15 inches: fine sandy loam
15 to 28 inches: very fine sandy loam
28 to 32 inches: weathered bedrock

Minor Components

Terry

Percent of map unit: 10 percent

Kim

Percent of map unit: 5 percent