

Map Unit Description

Morgan County, Colorado

BwA Bresser sandy loam, moderately deep, terrace, 0 to 1 percent slopes

Setting

Elevation: 5300 to 6800 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 135 to 155 days

Composition

Bresser and similar soils: 80 percent
Minor components: 20 percent

Description of Bresser

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Coarse sandy alluvium derived from arkose

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.57 to 2.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 10 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.8 inches)

Interpretive Groups

Land capability classification (irrigated): 2s
Land capability (non irrigated): 4c
Ecological site: Sandy Plains (R067BY024CO)

Typical Profile

0 to 8 inches: sandy loam
8 to 21 inches: sandy clay loam
21 to 60 inches: loamy coarse sand

Minor Components

Bijou

Percent of map unit: 8 percent

Altvan

Percent of map unit: 7 percent

Glenberg

Percent of map unit: 5 percent

Rangeland Productivity and Plant Composition

Morgan County, Colorado

| Map symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|-----------------------------|-----------------|-----------------------------|----------------|---------------------|---------------------------|--------------------------|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/Ac | Lb/Ac | Lb/Ac | Pct | |
| BwA: | | | | | | |
| Bresser | Sandy Plains | 2,200 | 1,500 | 800 | Blue grama | 25 |
| | | | | | Prairie sandreed | 15 |
| | | | | | Needleandthread | 10 |
| | | | | | Sideoats grama | 10 |
| | | | | | Switchgrass | 10 |
| | | | | | Little bluestem | 5 |
| | | | | | Sand bluestem | 5 |
| | | | | | Thickspike wheatgrass | 5 |

Map Unit Description

Morgan County, Colorado

BoA Bijou sandy loam, moderately deep, 0 to 1 percent slopes

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 14 to 14 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 180 days

Composition

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

Description of Bijou

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Noncalcareous alluvium derived from arkose

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 4.7 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067/BY024CO)

Typical Profile

0 to 10 inches: sandy loam
10 to 24 inches: sandy loam
24 to 60 inches: loamy coarse sand

Minor Components

Altvan

Percent of map unit: 10 percent

Rangeland Productivity and Plant Composition

Morgan County, Colorado

| Map symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|-----------------------------|-----------------|-----------------------------|----------------|---------------------|---------------------------|--------------------------|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/Ac | Lb/Ac | Lb/Ac | | Pct |
| BoA: | | | | | | |
| Bijou | Sandy Plains | 2,200 | 1,500 | 800 | Blue grama | 25 |
| | | | | | Prairie sandreed | 15 |
| | | | | | Needleandthread | 10 |
| | | | | | Sideoats grama | 10 |
| | | | | | Switchgrass | 10 |
| | | | | | Little bluestem | 5 |
| | | | | | Sand bluestem | 5 |
| | | | | | Thickspike wheatgrass | 5 |

Map Unit Description

Morgan County, Colorado

BnA Bijou sandy loam, 0 to 1 percent slopes

Setting

Elevation: 4400 to 6000 feet
Mean annual precipitation: 14 to 14 inches
Mean annual air temperature: 46 to 52 degrees F
Frost-free period: 140 to 180 days

Composition

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

Description of Bijou

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Noncalcareous alluvium derived from arkose

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 5 percent
Gypsum maximum: 0 percent
Available water capacity: Low (about 5.3 inches)

Interpretive Groups

Land capability classification (irrigated): 2e
Land capability (non irrigated): 4e
Ecological site: Sandy Plains (R067/BY024CO)

Typical Profile

0 to 12 inches: sandy loam
12 to 36 inches: sandy loam
36 to 60 inches: loamy sand

Minor Components

Glenberg

Percent of map unit: 7 percent

Haverson

Percent of map unit: 3 percent

Rangeland Productivity and Plant Composition

Morgan County, Colorado

| Map symbol and soil name | Ecological site | Total dry-weight production | | | Characteristic vegetation | Rangeland composition |
|--------------------------|-----------------|-----------------------------|-------------|------------------|---------------------------|-----------------------|
| | | Favorable year | Normal year | Unfavorable year | | |
| | | Lb/Ac | Lb/Ac | Lb/Ac | Pct | |
| BnA: | | | | | | |
| Bijou | Sandy Plains | 2,200 | 1,500 | 800 | Blue grama | 25 |
| | | | | | Prairie sandreed | 15 |
| | | | | | Needleandthread | 10 |
| | | | | | Sideoats grama | 10 |
| | | | | | Switchgrass | 10 |
| | | | | | Little bluestem | 5 |
| | | | | | Sand bluestem | 5 |
| | | | | | Thickspike wheatgrass | 5 |