

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 (R067BY024CO)

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 (R067BY024CO)

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