

Rangeland Productivity and Plant Composition

Baca 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		
BaA:	Loamy Plains	1,600	1,200	800	Western wheatgrass	25
Baca					Green needlegrass	10
					Needleandthread	5

BaA:

Baca

Loamy Plains

25

10

5

Western wheatgrass

Green needlegrass

Needleandthread

Pct

Map Unit Description

Baca County, Colorado

BaA Baca clay loam, 0 to 1 percent slopes

Setting

Elevation: 3800 to 5600 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 52 to 54 degrees F
Frost-free period: 140 to 170 days

Composition

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

Description of Baca

Setting

Landform: Plains
Across-slope shape: Linear
Parent material: Loess

Properties and Qualities

Slope: 0 to 1 percent
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate maximum: 15 percent
Gypsum maximum: 3 percent
Available water capacity: High (about 10.4 inches)

Interpretive Groups

Land capability classification (irrigated): 1
Land capability (non irrigated): 4e
Ecological site: Loamy Plains (R067BY002CO)
Other vegetative classification: LOAMY PLAINS (067XY002CO_1)

Typical Profile

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

Minor Components

Wiley soils

Percent of map unit: 5 percent

Harbord soils

Percent of map unit: 5 percent

Ulysses soils

Percent of map unit: 3 percent

Norka soils

Percent of map unit: 2 percent