

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		
Ws2:						
Wiley, eroded	Loamy Plains	1,600	1,000	600	Western wheatgrass	30
					Green needlegrass	10
					Needleandthread	5

# Map Unit Description

Baca County, Colorado

## **Ws2 Wiley soils, eroded**

### **Setting**

Elevation: 4500 to 6500 feet  
Mean annual precipitation: 12 to 15 inches  
Mean annual air temperature: 48 to 54 degrees F  
Frost-free period: 140 to 170 days

### **Composition**

Wiley, eroded and similar soils: 90 percent  
Minor components: 10 percent

### **Description of Wiley, eroded**

#### **Setting**

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

#### **Properties and Qualities**

Slope: 0 to 5 percent  
Drainage class: Well drained  
Capacity of the most limiting layer to transmit water (Ksat): Moderately high or high (0.60 to 2.00 in/hr)  
Frequency of flooding: None  
Frequency of ponding: None  
Calcium carbonate maximum: 15 percent  
Gypsum maximum: 0 percent  
Available water capacity: High (about 11.4 inches)

#### **Interpretive Groups**

Land capability classification (irrigated): 2e  
Land capability (non irrigated): 4e  
Ecological site: Loamy Plains (R067BY002CO)  
Other vegetative classification: LOAMY PLAINS (067XY002CO\_1)

#### **Typical Profile**

0 to 4 inches: loam  
4 to 16 inches: silty clay loam  
16 to 60 inches: silt loam

### **Minor Components**

#### **Wiley soils**

Percent of map unit: 10 percent