

## Moffat County Area, Colorado

### 33—Clayburn loam, warm, 3 to 25 percent slopes

#### Map Unit Setting

*Elevation:* 7,000 to 8,600 feet

*Mean annual precipitation:* 18 to 20 inches

*Mean annual air temperature:* 37 to 40 degrees F

*Frost-free period:* 50 to 75 days

#### Map Unit Composition

*Clayburn, warm, and similar soils:* 85 percent

#### Description of Clayburn, Warm

##### Setting

*Landform:* Plateaus, mountainsides

*Landform position (three-dimensional):* Mountainflank

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Colluvium and residuum derived from sandstone and shale

##### Properties and qualities

*Slope:* 3 to 25 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high (0.20 to 0.60 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water capacity:* High (about 10.7 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 6e

*Ecological site:* Mountain Loam (R048AY228CO)

##### Typical profile

*0 to 11 inches:* Loam

*11 to 46 inches:* Clay loam

*46 to 60 inches:* Loam

# Custom Soil Resource Report

Rangeland Productivity and Plant Composition– Moffat County Area, Colorado						
Map unit symbol and soil name	Ecological site	Total dry-weight production			Characteristic vegetation	Rangeland composition
		Favorable year	Normal year	Unfavorable year		
		<i>Lb/ac</i>	<i>Lb/ac</i>	<i>Lb/ac</i>		<i>Pct</i>
33—Clayburn loam, warm, 3 to 25 percent slopes						
Clayburn, warm	Mountain Loam	1,800	1,500	1,200	Slender wheatgrass	15
					Letterman's needlegrass	15
					Mountain big sagebrush	10
					Miscellaneous perennial forbs	5
					Mountain snowberry	5
					Nodding brome	5
					Miscellaneous perennial grasses	5
					Mountain brome	5
					Miscellaneous shrubs	5
					Saskatoon serviceberry	5
					Elk sedge	5