

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