

MLRA (Major Land Resource Area)

These are land areas with specific patterns of soils, geology, climate, water resources, and land use.

Predominant Ecological Site

Ecological sites have been described by the Natural Resources Conservation Service. They are largely driven by soils, but also consider terrain, water availability, and other factors.

Ecosite ID

An identification number assigned by the Natural Resources Conservation Service.

MLRA: 53B

PREDOMINANT ECOLOGICAL SITE: LOAMY

ECOSITE ID: R053BY011ND

PLANT COMMUNITY NAME: Western Wheatgrass/Green Needlegrass

DISTURBANCE STATE: Light grazing, less frequent fire

FIRE REGIME: MFRI >=15 YEARS

GROWTH FORM: Grasses & Grass-likes

GRAZING REGIME: Variable but occurring most years as light to moderate bison grazing

AVERAGE FORAGE PRODUCTION: 1900 pounds per acre

Plant Species

COMMON NAME	SCIENTIFIC NAME	Minimum % Composition	Maximum % Composition	Climate Change Affect by 2099
Grass-Like (Not A True Grass)		0	5	
Other Perennial Grasses		0	4	
Big Bluestem	<i>Andropogon gerardii</i>	0	5	INCREASE
Fendler Threeawn	<i>Aristida purpurea var. longiseta</i>	1	5	INCREASE
Sideoats Grama	<i>Bouteloua curtipendula</i>	0	3	INCREASE
Blue Grama	<i>Bouteloua gracilis</i>	2	8	INCREASE
Needleleaf Sedge	<i>Carex duriuscula</i>	1	7	DECREASE
Threadleaf Sedge	<i>Carex filifolia</i>	1	7	DECREASE
Plains Reedgrass	<i>Calamagrostis montanensis</i>	0	3	DECREASE
Slender Wheatgrass	<i>Elymus trachycaulus</i>	5	15	DECREASE
Slender Wheatgrass	<i>Elymus trachycaulus ssp. subsecundus</i>	2	10	DECREASE
Needle And Thread	<i>Hesperostipa comata ssp. comata</i>	2	10	DECREASE
Shortbristle Needle And Thread	<i>Hesperostipa curtiseta</i>	0	5	DECREASE
Porcupinegrass	<i>Hesperostipa spartea</i>	0	4	DECREASE
Prairie Junegrass	<i>Koeleria macrantha</i>	1	2	DECREASE
Green Needlegrass	<i>Nassella viridula</i>	0	8	DECREASE
Western Wheatgrass	<i>Pascopyrum smithii</i>	5	20	DECREASE
Little Bluestem	<i>Schizachyrium scoparium</i>	0	1	INCREASE

Plant Species

Species that represent the native plant community and are expected in this ecosite type under the selected disturbance state.

Fire Regime

Historical grazing influence related to the selected disturbance state.

Growth Form

Although they are listed separately, they may occur together.

Plant Community Name

Predominant plant community in the selected ecological site type within this MLRA.

Disturbance State

Predominant land management practices or influences.

Climate Change Affect by 2099

Only displays for Grasses & Grass-likes