

Table 2. Plant basal cover (%) on five range sites grazed under short duration (SD) and repeated seasonlong (SL) grazing treatments at the Dickinson Research Center in western North Dakota.

Species	Sandy		Silty		Shallow		Clayey		Thin Claypan	
	SD	SL	SD	SL	SD	SL	SD	SL	SD	SL
----- 1987 -----										
Wheatgrasses	0	0.2	0.2	0.1	0	0.1	0.4	0.6	0.2	0
Needlegrasses	2.0	2.6	1.4	1.6	4.7	2.6	0.4	0.5	0.3	0.2
Other cool-season grasses	5.0	6.0	7.0	6.9	1.7	5.9	1.3	2.4	1.9	3.3
Sedges	7.3	3.4	1.3	1.9	3.2	3.6	1.9	2.3	0.3	0.3
Blue grama	7.0	14.4	18.1	14.1	10.0	7.2	21.9	19.0	15.5	7.2
Other warm-season grasses	0.6	0.4	1.5	2.2	1.2	1.3	3.9	2.0	1.1	2.2
Total graminoids	21.9	27.0	29.5	26.8	20.8	20.7	29.8	26.8	19.3	13.2
Forbs	0.5	0.5	0.9	1.0	2.1	0.7	0.6	1.1	1.5	3.9
Fringed sage	2.9	2.1	0.5	1.4	0.4	0.9	0.8	0.8	1.8	0.5
Cactus	0	0	0.1	0	0.1	0.1	0.1	0.2	2.4	1.0
Shrubs	0	0	0	0	0	0	0	0	0.6	0.1
Total	25.3	29.6	31.0	29.2	23.4	22.4	31.3	28.9	25.6	18.7
----- 1988 -----										
Wheatgrasses	0	0.1	0.3	0.6	0	0.1	0.4	0.6	1.4	0.8
Needlegrasses	1.6	2.6	1.3	1.1	8.6	7.0	1.2	2.0	0.2	0.4
Other cool-season grasses	0.3	0.6	1.9	1.4	1.7	0.4	0.4	0.4	0.5	0.9
Sedges	6.1	2.8	3.3	2.4	6.9	5.6	0.9	1.9	1.4	0.2
Blue grama	6.1	11.5	16.7	14.7	5.6	6.5	20.0	12.5	17.4	7.3
Other warm-season grasses	0.3	0	0.4	0.1	0.2	0.1	0.1	8.5	0.8	3.0
Total graminoids	14.4	17.6	23.9	20.3	23.0	19.7	23.0	25.9	21.7	12.6
Forbs	0.4	0.8	0.3	0.7	0.9	0.2	0.3	0.1	0.3	1.4
Fringed sage	1.9	1.9	0.5	0.9	0.2	0.7	1.3	0.8	1.0	0.6
Cactus	0	0	0	0	0.2	0	0.1	0.2	2.4	0.3
Shrubs	0.6	0.3	0.1	0	0.3	0.3	0.1	0	0.6	0.2
Total	17.3	20.3	24.8	21.9	24.6	20.9	24.8	27.0	23.0	15.1
----- 1989 -----										
Wheatgrasses	0.1	0.6	1.4	1.1	0	0.4	1.3	1.2	0.9	2.2
Needlegrasses	3.1	1.8	1.5	1.7	9.6	1.6	0	0.5	0	1.0
Other cool-season grasses	0.1	0.2	1.5	1.1	0.1	0.2	0.1	0.2	0.5	0.3
Sedges	6.6	3.1	1.1	2.8	7.7	4.4	0.5	0.6	0.9	0.4
Blue grama	2.4	5.3	2.5	3.0	4.3	2.9	3.4	7.6	9.2	5.7
Other warm-season grasses	0.9	0	0	0	0	0.7	0	0	0	0.6
Total graminoids	13.2	11.0	8.0	9.7	21.7	10.2	5.3	10.1	11.5	10.2
Forbs	7.1	4.1	11.8	6.2	5.0	0.3	17.6	2.8	5.6	6.1
Fringed sage	4.5	1.9	2.5	4.4	2.2	1.1	1.0	4.3	0.9	0.4
Cactus	0	0.1	0	0	0	0.1	0	0	4.1	1.0
Shrubs	1.2	0.4	0.2	0.6	1.6	1.0	0.3	0.2	1.8	0.5
Total	26.0	17.5	22.5	20.9	30.5	12.7	24.2	17.4	23.9	18.2