

Table 4. Basal cover (%) changes on silty and overflow range sites under short duration (SD) and seasonlong (SL) grazing treatments at the Central Grasslands Research Center in southcentral North Dakota.

Species	1982		1985		1990		1992	
	SD	SL	SD	SL	SD	SL	SD	SL
	----- Silty -----							
Wheatgrass	0.4 <sup>1</sup>		0.5	1.0	0.8	0.4	0.3	2
Needlegrass	2.2		1.8	3.1	1.7	2.2	3.3	-
Bluegrass	0		0.4	2.1	0.8	0.8	0.3	-
Other cool-seasons	1.0		1.2	0.4	0.1	0.1	0.5	-
Sedges	2.6		4.2	7.1	2.7	2.7	3.6	-
Blue grama	4.2		6.2	6.3	4.2	4.2	6.7	-
Other warm-seasons	0.5		0.1	0.5	0.1	0.1	0.1	-
Total grass and grass-like	10.9		15.4	20.5	10.4	10.4	14.8	-
Forbs	0.7		0.6	0.8	0.3	0.2	0.3	-
Total herbaceous <sup>3</sup>	11.6a		16.0b	21.3c	10.7a	11.3a	15.1b	-
	----- Overflow -----							
Wheatgrass	2	2	0.1	0.5	0.2	0.3	0.3	0
Needlegrass	-	-	0.3	1.2	0.1	0.5	0.3	0.6
Bluegrass	-	-	8.9	12.1	5.0	7.5	5.1	6.8
Other cool-seasons	-	-	0.2	0	0.1	0	0	0
Sedges	-	-	1.4	3.9	0.8	0.9	0.6	0.2
Warm-seasons	-	-	0.6	0.5	0.4	0.3	0.5	0
Total grass and grass-like	-	-	11.5	18.2	6.6	9.5	6.8	7.6
Forbs	-	-	0.8	0.5	0.8	0.4	0.5	2.0
Total herbaceous <sup>3</sup>	-	-	12.3a	18.7b	7.4c	9.9c	7.3c	9.6c

<sup>1</sup>Basal cover of silty range site on section 25 before grazing treatments established.

<sup>2</sup>Data not available.

<sup>3</sup>Totals for a range site followed by different letters differ ( $P \leq 0.1$ ).