Table 1. Location of research sites by landscape region.

NDOR Landscape Region	Location	Year of seeding
Δ.	Creighton (Highway 59)	1998
Α	Plainview (Highway 20)	1994
В	Aurora (Highway 34)	1998
Ь	Jansen (Highway 136)	1992
С	Arnold (Highway 92)	1998
C	Ragan (Highway 4)	1995
D	Crookston (Highway 20)	1991
Ь	Nenzel (Highway 20)	1993
F	Chadron (Highway 20)	1993
F	N-71 (Highway 88)	1996

Figure 1. Location of study sites within landscape regions, as depicted by color.

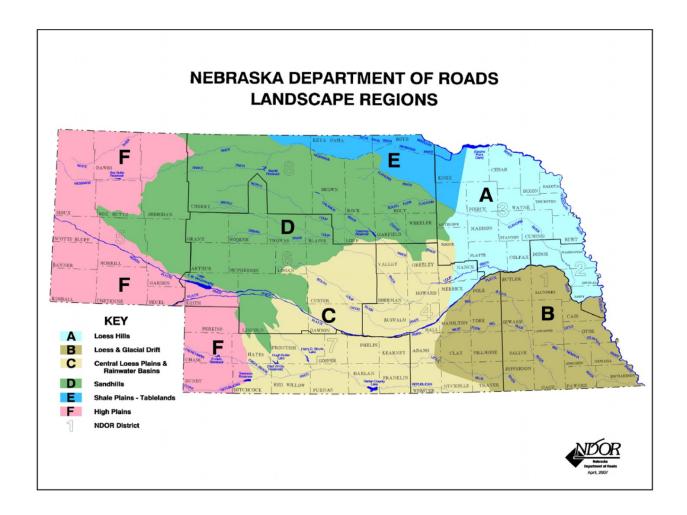


Table 2. Seeded species on backslope locations at Creighton, Jansen, Arnold, Nenzel and Chadron.

	Landscape Region					
Caralas	A (Cusinhton)	B ((anaon)	C (Arreald)	D (Name of)	F /Ch a duan	
Species	A (Creighton)	(Jansen)	C (Arnold)	(Nenzel)	F (Chadron)	
Big Bluestem	X	X	.,			
Blackeyed Susan	Х	Х	Х			
Blanket Flower					Х	
Blue Flax	x					
Canada Wildrye	x					
Crested Wheatgrass					Х	
Dames Rocket	х	Х	Х		Х	
Evening Primrose	х					
False Sunflower	Х					
Grayhead Prairie Coneflower		х				
Hairy Vetch		х		х	х	
Indiangrass	х	х	x			
Intermediate Wheatgrass	х	х	x			
Lance-leaved Coreopsis					х	
Leadplant	x		х			
Little Bluestem	x	х	X	х	х	
Maximillian Sunflower		Х				
Mexican Red-Hat					х	
Oats	x				X	
Ox-Eye Daisy	^	х			^	
Partridge Pea	x	X				
Pitcher Sage	X	~				
Plains Coreopsis	Α	х				
Prairie Sandreed		^		x		
				^	х	
Pubsecent Wheatgrass Purple Prairie Clover	х	х	x		X	
Red Clover			^		^	
	Х	X				
Reed Canarygrass		х			.,	
Rocky Mountain Penstemon				.,	Х	
Rye				X		
Sand Bluestem				X		
Sand Dropseed				Х		
Sand Lovegrass	X		X	Х		
Shell-leaf Penstemon	Х		Х			
Sideoats Grama	x	Х	Х		Х	
Sweetclover			X	Х		
Switchgrass	X	Х	X	X		
Upright Prairie Coneflower	х		Х		X	

Table 3. Expected rank and actual rank for seeded species at the Jansen backslope, June 2008. (Some non-seeded species were expected to invade and establish on the site.)

Species	Expected Rank	Actual Rank
Little Bluestem	1	4
Intermediate Wheatgrass	2	2
Indiangrass	3	6
Switchgrass	4	5
Sideoats Grama	5	12.5
Grayhead Coneflower	6	12.5
Non-seeded species	7	1
Red Clover	8	3
Other seeded grasses	9	8
Purple Coneflower	10	12.5
Blackeyed Susan	11	12.5
Other seeded forbs	12	7
Partridge Pea	13	12.5
Plains Coreopsis	14	12.5
Hairy Vetch	15	12.5
Dames Rocket	16	12.5

Table 4. Relative species composition of shoulder sites in Nebraska for all landscape regions.

Species	Seeding Rate (Ibs of PLS/acre)	June 2008	August 2008	June 2009	August 2009
				, 0	·
Seeded		25.8	30.8	32.6	38
Western Wheatgrass	4 to 8	8.3	12.2	13.9	19.8
Blue Grama	2	0	1.9	1.8	1.3
Buffalograss	3 to 6	8.9	12.1	8.7	11
Tall Fescue	8 to 20	8.6	4.5	7.9	5.9
Birdsfoot Trefoil	4 to 5	0	0.1	0.3	0
Oats	10	0	0	0	0
Perennial Rye	8 to 10	0	0	0	0
Non-seeded		75.6	71.5	70.9	64.2
Downy Brome		3.1	1.4	1.1	0.4
Kentucky Bluegrass		17.3	9.1	17.8	12.1
Intermediate Wheatgrass		9.2	5.2	0.9	0.9
Sand Dropseed		4.5	2.7	3.2	5.7
Smooth Bromegrass		17.9	14.2	16.8	13.8
Warm-Season Tall Grasses		4.2	7.9	6.4	7.8
Kochia		6.3	6.4	7.3	2.9
Russian Thistle		1.5	2.1	1.8	2.2
Western Ragweed		2.5	7.9	1.9	5.7
Other Grasses and Forbs		9.1	14.6	13.7	12.7

Table 5. Relative ground cover of shoulder sites in Nebraska for all landscape regions based on MSP method.

	2008		2009	
	June August		June Augus	
		%		-
Litter	73.3	66.6	76.3	67.9
Bare Ground	22.8	31.4	22.6	30.6
Plant Hits	3.9	2	1.1	1.5

Table 6. Relative species composition by standing crop of shoulder sites in Nebraska, August 2009, based on weight.

			Lan	dscape Re	gion		
Species	Seeding Rate (lbs of PLS/acre)	Α	В	С	D	F	
			-	%			
Seeded		28.1	54.1	46.8	0.3	28.8	
Western Wheatgrass	4 to 8	27.5	26.7	7.9	0.3	10.1	
Blue Grama	2	0.5	1.5	0	0	5.2	
Buffalograss	3 to 6	O_p	1.7 ^b	26.6ª	O_p	13.5 ^b	
Tall Fescue	8 to 20	0.1 ^b	20.4ª	12.4 ^b	O_p	O_p	
Birdsfoot Trefoil	4 to 5	0	3.8	0	0	0	
Oats	10	0	0	0	0	0	
Perennial Rye	8 to 10	0	0	0	0	0	
Non-seeded		71.9	45.9	53.2	99.7	71.2	
Downy Brome		0	0	0.3	0	0.2	
Kentucky Bluegrass		21.8ª	2.0 ^b	5.4 ^b	5.3 ^b	0.8 ^b	
Intermediate Wheatgrass		0	0	0	0	1.3	
Sand Dropseed		0	0	0.5	3.7	18.7	
Smooth Bromegrass		31.1ª	0.9 ^b	27.2ª	16.6⁵	7.7 ^b	
Warm Season Tall Grasses		2.1 ^b	36.0ª	3.3 ^b	46.2ª	4.7 ^b	
Kochia and Russian Thistle		0.1	0	0	6.1	0.1	
Western Ragweed		3	1.3	0	1.5	10.4	
Other Grasses and Forbs		13.9	5.8	16.4	20.2	27.3	

Table 7. Kendall's tau rank correlation scores based on MSP.

Regio	Cito	luna 2000	A	luma 2000	August
<u> </u>	Site	June 2008	August 2008	June 2009	2009
Α	Creighton	0.5201*	0.38191	0.34171	0.56097*
	Plainview	0.17056	0.08528	0.08528	0.04264
В	Aurora	0.4949*	0.39451*	0.4111*	0.55201*
	Jansen	0.52296*	0.4949*	0.39973*	0.47216*
С	Arnold	0.32757	0.18257	0.38103	0.03616
	Ragan	0.0252	0.24343	0.18257	0.03616
	Crooksto				
D	n	0.22111	0.25042	0.22111	0.42212
	Nenzel	0.62312*	0.54272*	0.62312*	0.5201*
F	Chadron	0.12792	0.25042	0.44877	0.040452
	N-71	0.185	0.32375	0.25584	0.17056

^{*}Indicates significant correlation (p=0.05)

Table 8. Comparison of the actual and expected rank order at Aurora backslope location based on MSP.

	Expected		Actual Rank			
Species	Rank	June 2008	August 2008	June 2009	August 2009	
Little Bluestem	1	3	7	10.5	4	
Intermediate Wheatgrass	2	1	2	4	2	
Indiangrass	3	5	5	1	1	
Switchgrass	4	4	4	3	5	
Sideoats Grama	5	11.5	12	10.5	6	
Grayhead Coneflower	6	11.5	8	5	11.5	
Red Clover	7	2	3	2	3	
Other Seeded Grasses	8	7	1	10.5	11.5	
Purple Coneflower	9	11.5	12	10.5	11.5	
Blackeyed Susan	10	11.5	12	10.5	11.5	
Other Seeded Forbs	11	6	6	10.5	7	
Partridge Pea	12	11.5	12	10.5	11.5	
Plains Coreopsis	13	11.5	12	10.5	11.5	
Hairy Vetch	14	11.5	12	10.5	11.5	
Dames Rocket	15	11.5	12	10.5	11.5	

Table 9. Comparison of the actual and expected rank order at Jansen backslope location based on MSP.

		Actual Rank			
Species	Expected Rank	June 2008	August 2008	June 2009	August 2009
Little Bluestem	1	6	2	8	2
Intermediate Wheatgrass	2	1	1	1	1
Indiangrass	3	5	8	5	7
Switchgrass	4	2	5	2	3
Sideoats Grama	5	7	6	7	9
Grayhead Coneflower	6	8	7	6	6
Red Clover	7	12.5	9	9	10
Other Seeded Grasses	8	3	3	3	4
Purple Coneflower	9	10	10	10	11
Blackeyed Susan	10	11	11	11	12
Other Seeded Forbs	11	4	4	4	5
Partridge Pea	12	12	12	12	13
Plains Coreopsis	13	13	13	13	14
Hairy Vetch	14	14	14	14	8
Dames Rocket	15	15	15	15	15

Table 10. Comparison of the actual and expected rank order at Creighton backslope location based on MSP.

		Ac	tual Rank
Species	Expected Rank	June 2008	August 2009
Little Bluestem	1	3	2
Indiangrass	2	1	1
Intermediate Wheatgrass	3	2	4
Other seeded grasses	4	4	3
Other Forbs	5	5	5
Switchgrass	6	8.5	7
Pitcher Sage	7	8.5	9
Red Clover	8	6	6
Partridge Pea	9	8.5	9
Dames Rocket	10	8.5	9

Table 11. Comparison of the actual and expected rank order at Nenzel backslope location based on MSP.

	Expected	Actual Rank			
Species	Rank	June 2008	August 2008	June 2009	August 2009
Switchgrass	1	2	3	2	3
Little Bluestem	2	1	1	1	1
Prairie Sandreed	3	3	4	3	5
Sand Bluestem	4	4	2	4	2
Sand Dropseed	5	5	5	5	4
Western Wheatgrass	6	8	8	8	8.5
Sand Lovegrass	7	8	8	8	6
Sweetclover	8	8	8	8	8.5
Hairy Vetch	9	8	8	8	8.5
Rye	10	8	8	8	8.5

Table 12. Relative species composition of Plainview backslope, Region A, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
			%	· · · · · · · · · · · · · · · · · · ·
Seeded	94.3	66.7	89.0	90.9
Big Bluestem	1.9	13.3	0.0	0.0
Eastern Gamagrass	11.3	6.7	41.1	39.8
Indiangrass	3.8	6.7	0.0	0.0
Intermediate Wheatgrass	0.0	0.0	0.0	1.1
Little Bluestem	0.0	0.0	0.0	0.0
Switchgrass	67.9	33.3	39.7	44.3
Pitcher sage	0.0	0.0	4.1	1.1
Wild Rose	9.4	6.7	4.1	4.5
Non-seeded	5.7	33.3	11.0	9.1
Canada Goldenrod	0.0	13.3	2.7	2.3
Other Grasses and Forbs	5.7	20.0	8.2	6.8

Table 13. Relative species composition of Creighton backslope, Region A, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
			-%	·
Seeded	19.3	23.9	10.3	22.1
Big Bluestem	2.8	5.1	2.9	4.1
Indiangrass	5.5	0.0	1.5	7.6
Intermediate Wheatgrass	5.5	6.5	0.0	3.4
Little Bluestem	2.8	8.7	3.7	4.8
Switchgrass	0.0	0.0	0.0	0.7
Red Clover	0.7	0.7	0.7	0.7
Other Seeded Forbs	2.1	2.9	1.5	0.7
Non-seeded	80.7	76.1	89.7	77.9
Tall Fescue	65.5	68.1	67.7	66.9
Orchardgrass	1.4	5.1	16.2	6.2
Other Grasses and Forbs	13.8	2.9	5.9	4.8

Table 14. Relative species composition of Aurora backslopes, Region B, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
) 	· · · · · · · · · · · · · · · · · · ·
Seeded	24.68	18.30	14.38	23.97
Big Bluestem	1.3	3.9	0.0	0.0
Indiangrass	2.5	2.6	2.6	8.2
Intermediate Wheatgrass	5.7	3.3	3.3	5.5
Little Bluestem	4.4	0.7	0.7	2.1
Sideoats Grama	0.0	0.0	0.0	1.4
Switchgrass	3.2	2.6	2.6	2.1
Grayhead Coneflower	0.0	0.7	0.7	0.0
Maximillian Sunflower	2.5	1.3	1.3	0.7
Red Clover	5.1	3.3	3.3	4.1
Non-seeded	75.3	81.7	85.6	76.0
Tall Fescue	62.0	60.7	55.6	56.2
Orchardgrass	7.6	15.7	18.8	17.8
Other Grasses and Forbs	5.7	5.3	11.3	2.1

Table 15. Relative species composition of Jansen backslopes, Region B, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
		%	,	
Seeded	91.5	89.4	69.7	76.5
Big Bluestem	8.5	7.1	10.6	9.4
Indiangrass	4.3	0.0	7.6	2.4
Intermediate Wheatgrass	50.0	45.9	22.7	22.4
Little Bluestem	3.2	16.5	0.0	14.1
Sideoats Grama	2.1	5.9	1.5	1.2
Switchgrass	14.9	5.9	16.7	10.6
Black-eyed Susan	0.0	0.0	0.0	3.5
Grayhead Coneflower	1.1	1.2	1.5	3.5
Maximillian Sunflower	7.4	7.1	9.1	9.4
Non-seeded	8.5	10.6	30.3	23.5
Western Wheatgrass	0.0	0.0	19.7	1.2
Carex sp.	0.0	1.2	3.0	4.7
Bindweed	3.2	0.0	0.0	2.4
Stiff Sunflower	2.1	4.7	4.6	2.4
Other Grasses and Forbs	3.2	4.7	3.0	12.9

Table 16. Relative species composition of Arnold backslope, Region C, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
			0	
Seeded	37.5	41.1	69.2	66.7
Indiangrass	3.1	1.8	9.6	0.0
Intermediate Wheatgrass	3.1	0.0	0.0	0.0
Little Bluestem	3.1	1.8	3.8	0.0
Sideoats Grama	1.6	0.0	0.0	0.0
Switchgrass	26.6	37.5	53.8	66.7
Western Wheatgrass	0.0	0.0	1.9	0.0
Non-seeded	62.5	58.9	30.8	33.4
American Deervetch	15.6	19.6	1.9	10.0
Big Bluestem	3.1	3.6	0.0	3.3
Lemon Scurfpea	3.1	1.8	7.7	0.0
Prairie Sandreed	4.7	7.1	0.0	3.3
Sand Dropseed	4.7	0.0	3.8	0.0
Scribner's Panicum	1.6	1.8	5.8	3.3
Carex sp.	6.3	3.6	0.0	0.0
Western Ragweed	4.7	5.4	0.0	0.0
Other Grasses and Forbs	18.68	16.0	11.6	13.4

Table 17. Relative species composition of Ragan backslope, Region C, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
	·		, 	
Seeded	45.2	62.5	59.0	51.4
Indiangrass	6.5	20.0	30.8	17.1
Little Bluestem	3.2	7.5	0.0	0.0
Switchgrass	25.8	35.0	23.1	34.3
Western Wheatgrass	0.0	0.0	5.1	0.0
Sweetclover	3.2	0.0	0.0	0.0
Upright Prairie Coneflower	6.5	0.0	0.0	0.0
Non-seeded	54.8	37.5	41.0	48.6
Big Bluestem	16.1	20.0	5.1	22.9
Prairie Cordgrass	12.9	15.0	23.1	20.0
Stiff Sunflower	6.5	0.0	7.7	0.0
Other Grasses and Forbs	19.4	2.5	5.1	5.7

Table 18. Relative species composition of Nenzel backslope, Region D, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
	%			· · · · · · · · · · · · · · · · · · ·
Seeded	49.3	50.6	45.9	59.1
Little Bluestem	20.3	23.5	26.4	35.1
Prairie Sandreed	8.1	3.6	4.4	3.5
Sand Bluestem	8.1	10.2	3.8	9.4
Sand Dropseed	4.1	3.6	2.5	4.1
Sand Lovegrass	0.0	0.0	0.0	0.6
Switchgrass	8.8	9.6	8.8	6.4
Non-Seeded	50.7	49.5	54.2	41.0
Fourpoint Eveningprimrose	2.0	2.4	0.0	0.0
Green Sagewort	6.1	4.8	3.0	3.5
Indiangrass	0.7	0.0	3.8	2.3
Lemon Scurfpea	0.0	0.0	10.1	0.6
Missouri Goldenrod	2.7	3.6	0.0	0.0
Purple Prairie Clover	1.4	3.0	1.3	3.5
Prairie Junegrass	15.5	8.4	9.4	10.5
Carex sp.	0.0	1.2	5.7	1.8
Six-weeks Fescue	3.4	1.2	0.0	0.0
Western Ragweed	4.1	3.0	1.9	7.0
Other Grasses and Forbs	14.8	21.8	18.9	11.7

Table 19. Relative species composition of Crookston backslopes, region D, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009	
Seeded	23.4	25.3	37.3	44.6	
Little Bluestem	2.1	2.4	2.4	1.4	
Prairie Sandreed	4.3	0.0	8.4	6.8	
Sand Bluestem	9.6	10.8	14.5	27.0	
Sand Dropseed	3.2	6.0	2.4	4.1	
Sand Lovegrass	0.0	0.0	0.0	0.0	
Switchgrass	0.0	1.2	0.0	5.4	
Western Wheatgrass	4.3	4.8	9.6	0.0	
Non-Seeded	76.6	74.8	62.7	55.5	
Annual Sunflower	4.3	1.2	2.4	4.1	
Carex sp.	7.4	4.8	3.6	0.0	
Clammy Groundcherry	4.3	0.0	0.0	0.0	
Cudweed Sagewort	3.2	6.0	6.0	2.7	
Downy Brome	18.1	26.5	9.6	12.6	
Intermediate Wheatgrass	6.4	1.2	0.0	0.0	
Needleandthread	3.2	3.6	9.6	6.8	
Prairie Junegrass	4.3	1.2	4.8	6.8	
Six-weeks Fescue	2.1	0.0	0.0	0.0	
Wild Rose	3.2	3.6	3.6	5.4	
Western Rageweed	5.3	0.0	3.6	6.8	
Other Grasses and Forbs	14.9	26.6	19.3	10.4	

Table 20. Relative species composition of Chadron backslopes, region F, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
			%	
Seeded	67.4	72.7	86.3	93.9
Blue Grama	0.0	0.5	0.5	0.6
Crested Wheatgrass	0.0	0.0	1.6	0.0
Little Bluestem	19.8	31.1	27.5	30.0
Pubescent Wheatgrass	25.7	17.5	22.0	38.9
Sideoats Grama	16.0	11.5	22.0	23.3
Western Wheatgrass	0.0	4.4	9.3	0.6
Purple Prairie Clover	5.9	7.7	3.3	0.6
Non-seeded	32.6	27.3	13.7	6.1
Downy Brome	13.9	4.4	3.9	1.7
Sand Dropseed	2.7	1.5	0.5	0.0
Western Ragweed	1.6	1.1	0.5	0.3
White Clover	5.9	1.6	0.0	0.0
Yellow Sweetclover	1.6	2.7	2.2	1.1
Other Grasses and Forbs	7.0	16.0	6.6	3.0

Table 21. Relative species composition of N-71 backslopes, Region F, based on MSP.

Species	June 2008	August 2008	June 2009	August 2009
	%			
Seeded	4.1	9.8	8.9	13.8
Crested Wheatgrass	0.7	3.7	1.9	1.9
Little Bluestem	0.0	0.6	0.6	0.0
Pubescent Wheatgrass	2.7	5.5	3.8	8.1
Sideoats Grama	0.0	0.0	0.0	0.6
Western Wheatgrass	0.7	0.0	2.5	3.1
Purple Prairie Clover	0.0	0.0	0.0	0.0
Non-seeded	95.9	90.2	91.1	86.3
Downy Brome	31.5	28.8	14.0	6.9
Sand Dropseed	11.0	18.4	21.7	28.1
Curlycup Gumweed	8.2	8.6	1.9	5.0
Russian Thistle	0.0	0.0	0.0	7.5
Slender Greenthread	0.0	0.0	7.6	0.0
Snow-on-the-Mountian	4.8	0.6	3.2	5.6
Western Ragweed	6.2	3.7	2.5	3.8
Kochia	18.5	18.4	22.9	15.6
Yellow Sweetclover	6.2	3.7	4.5	1.3
Other Grasses and Forbs	9.6	8.0	12.7	12.5

Table 22. Kendall's tau rank correlation based on species composition by weight in August, 2009.

Region	Site	August 2009
Α	Creighton	0.18699
	Plainview	0.18091
В	Aurora	0.41876*
	Jansen	0.47001*
С	Arnold	0.31032
	Ragan	0.24343
D	Crookston	0.36599
	Nenzel	0.48617*
F	Chadron	0.40452
	N-71	0.28894

^{*}Indicates significant correlation

Species	Expected Rank	Actual Rank
Little Bluestem	1	6
Indiangrass	2	1
Switchgrass	3	5
Intermediate Wheatgrass	4	4
Partridge Pea	5	12.5
Grayhead Coneflower	6	12.5
Red Clover	7	3
Other Seeded Forbs	8	2
Hairy Vetch	9	12.5
Purple Coneflower	10	12.5
Other Seeded Grasses	11	12.5
Sideoats Grama	12	7
Blackeyed Susan	13	12.5
Dames Rocket	14	12.5
Plains Coreopsis	15	12.5

Table 24. Comparison of the actual and expected rank order at Jansen backslope location, based on weight during August, 2009.

Species	Expected Rank	Actual Rank
Little Bluestem	1	9
Indiangrass	2	5
Switchgrass	3	3
Intermediate Wheatgrass	4	1
Partridge Pea	5	14
Grayhead Coneflower	6	8
Red Clover	7	7
Other Seeded Forbs	8	2
Hairy Vetch	9	14
Purple Coneflower	10	14
Other Seeded Grasses	11	4
Sideoats Grama	12	6
Blackeyed Susan	13	10
Dames Rocket	14	14
Plains Coreopsis	15	14

Table 25. Comparison of the actual and expected rank order at Nenzel backslope location, based on weight during August, 2009.

Species	Expected Rank	Actual Rank
Little Bluestem	1	1
Switchgrass	2	2
Prairie Sandreed	3	7
Western Wheatgrass	4	10
Sand Bluestem	5	3
Sweetclover	6	10
Hairy Vetch	7	6
Sand Lovegrass	8	5
Sand Dropseed	9	4
Rye	10	10

Table 26. Relative species composition of Plainview backslopes, Region A, based on weight.

Species	August 2009

Seeded	98.7
Eastern Gammagrass	50.4
Indiangrass	0.5
Switchgrass	38.4
Pitcher sage	5.1
Wildrose	4.3
Non-seeded	1.3
Other Grasses and Forbs	1.3

Table 27. Relative species composition of Creighton backslopes, Region A, based on weight.

Species	August 2009

Seeded	26.2
Big Bluestem	7.5
Indiangrass	0.6
Intermediate Wheatgrass	1.4
Little Bluestem	5.0
Switchgrass	8.1
Purple Prairie Clover	1.3
Red Clover	2.3
Non-seeded	73.8
Orchardgrass	8.3
Tall Fescue	45.0
Timothy	11.6
Other Grasses and Forbs	9.0

Table 28. Relative species composition of Aurora backslopes, Region B, based on weight.

Species August	2009
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	%
Seeded	33.4
Indiangrass	18.0
Intermediate Wheatgrass	2.2
Little Bluestem	1.0
Sideoats Grama	0.7
Switchgrass	1.0
Maximillian Sunflower	6.6
Red Clover	3.9
Non-seeded	66.6
Tall Fescue	38.8
Orchardgrass	25.6
Other Grasses and Forbs	2.2

Table 29. Relative species composition of Jansen backslopes, Region B, based on weight.

Species	August 2009

	%
Seeded	96.5
Big Bluestem	12.3
Indiangrass	6.0
Intermediate Wheatgrass	26.5
Little Bluestem	0.6
Sideoats Grama	2.3
Switchgrass	20.9
Blackeyed Susan	0.3
Dames Rocket	0.0
Grayhead Coneflower	1.7
Hairy Vetch	0.0
Maximillian Sunflower	23.2
Red Clover	1.9
Non-seeded	4.5
Other Grasses and Forbs	4.5

Table 30. Relative species composition of Arnold backslopes, Region C, based on weight.

Species	August 2009

	%
Seeded	86.6
Indiangrass	1.3
Intermediate Wheatgrass	2.0
Little Bluestem	2.9
Switchgrass	77.2
Sideoats Grama	2.2
Purple Prairie Clover	1.1
Non-seeded	13.4
Other Grasses and Forbs	13.4

Table 31. Relative species composition of Ragan backslopes, Region C, based on weight.

Species	August 2009
	%
Seeded	74.1
Indiangrass	38.2
Little Bluestem	3.5
Switchgrass	32.4
Non-seeded	26.9
Big Bluestem	21.9
Other grasses and forbs	4.2

Table 32. Relative species composition of Nenzel backslopes, Region D, based on weight.

Species	August 2009
	%
Seeded	64.0
Hairy Vetch	0.6
Little Bluestem	43.7
Prairie Sandreed	0.3
Sand Bluestem	7.3
Sand Dropseed	3.2
Sand Lovegrass	1.3
Sweetclover	0.0
Switchgrass	7.6
Non-seeded	36.0
American Licorice	5.5
Clammy Groundcherry	6.9
Pitcher Sage	4.6
Prairie Junegrass	10.1
Other Grasses and Forbs	9.1

Table 33. Relative species composition of Crookston backslopes, Region D, based on weight.

Species	August 2009
	%
Seeded	40.7
Little Bluestem	0.5
Sand Bluestem	14.3
Sand Dropseed	4.0
Sand Lovegrass	7.6
Switchgrass	14.3
Non-seeded	59.3
American Licorice	10.6
Cudweed Sagewort	5.2
Wild Rose	11.1
Needleandthread	10.4
Prairie Junegrass	10.1
Other Grasses and Forbs	11.9

Table 34. Relative species composition of Chadron backslopes, Region F, based on weight.

Species	August 2009
	%
Seeded	95.6
Crested Wheatgrass	1.3
Little Bluestem	37.8
Pubescent Wheatgrass	32.6
Sideoats Grama	18.7
Western Wheatgrass	3.6
Purple Prairie clover	1.6
Non-seeded	4.4
Other Grasses and Forbs	4.4

Table 35. Relative species composition of N-71 backslopes, Region F, based on weight.

Species		August 2009
		%
Seeded		30.7
	Crested Wheatgrass	7.6
	Little Bluestem	3.2
	Pubescent Wheatgrass	15.6
	Purple Prairie clover	2.9
	Sideoats Grama	1.4
Non-seeded		69.3
	Annual Sunflower	6.9
	Downy Brome	8.7
	Curlycup Gumweed	6.2
	Fringed Sagebrush	7.8
	Prairie Sandreed	10.4
	Sand Dropseed	16.1
0	ther Grasses and Forbs	13.3