Table 1. Summary of management of experiment sites located in Nebraska to evaluate the effect of continuous (CONT) vs. strip-

grazing (STRIP) of summer planted annual forages in the fall/winter.

Site	Year	Planting Date	Species	Initial biomass lb/ac	Start Grazing Date	Treat ment	Days grazed	Animal Type	Stocking density, lb BW/ac	AUM/ac¹	Increase in grazing capacity,	Frequency of moves
East	2020	Early	Oat and	4 256	Mid	CONT	83	600 lb	560	1.48	-	-
East	2020	Aug	Rapeseed mix	4,356	Nov	STRIP	83	steer	21,000	2.75	86%	Twice a week
East	2021	021 Mid-July	17 species mix with y millet and 2,364 sunflower predominate	2 364	Early Dec	CONT	54	675 lb	675	1.20	-	-
Zust	2021			2,501		STRIP	54	steer	13,235	1.70	42%	Twice a week
North	2020	August	Oat and	_	Late	CONT	44	1400 lb	1,225	1.53	-	-
west	2020	20 August	Turnip	_	Nov	STRIP	38	cow	9,224	2.12	39%	Once a week
North	2021	21 August	Oat and Turnip	-	Early	CONT	73	475 lb	1,676	2.17	-	-
west	2021				Nov	STRIP	73	heifer	8,177	2.44	12%	Once a week
South	7/11/11	o Mid-	uxu	000	Early	CONT	7	1400 lb	1,300	0.28	-	-
		August		989	Nov	STRIP	16	cow	5,040	0.61	118%	Twice a week
South	2020	Early	Oats and	1,164	Early	CONT	26	1400 lb	790	0.76	-	-
central	2020	Aug Rapeseed	Rapeseed	1,104	Oct Oct	STRIP	26	cow	5,287	0.87	14%	Once a week
North			forage sorghum, radish,		Mid	CONT	33	1400 lb	940	1.40	-	-
east 2	2021	2021 August turnip, pea, 2, vetch, rye, oat, sunflower	7 108	October	STRIP	56	cow	40,084	1.70	21%	Daily	

¹AUM = Animal Unit Month, a 1000-pound animal over a month of time

Table 2. Initial forage species composition and quality of oatrapeseed mix grazed in the fall/winter in eastern NE

Forage type	Biomass, %	DOM ¹ , %	CP ² , %
Oats	74.5	70.5	8.4
Rapeseed	25.5	80.1	15.8
Forage as offered		72.3	10.3

¹DOM = Digestible Organic Matter, a proxy for TDN (energy)

Table 3. Carrying capacity and performance of steers grazing an oatrapeseed mix continuously (CONT) or strip-grazed (STRIP) over an 83 d period in the fall/winter in eastern NE

Variable	CONT	STRIP	SEM	<i>P</i> -value
Initial BW, lb	524	524	0.6	0.54
Final BW, lb	687	661	2.7	0.01
ADG, lb	1.98	1.67	0.025	0.01
AUM/ac ¹	1.49	2.71	0.156	0.03
Gain, lb/ac	148	232	9.3	0.02
Cost of gain, \$/lb	0.62	0.52	0.26	0.11

¹AUM = Animal Unit Month, a 1000-pound animal over a month of time

Table 4. Initial forage species composition and quality of 17 species mix grazed in the winter in eastern NE.

species min grazed in the winter in custom 142.							
Forage type	Biomass, %	DOM ¹ , %	CP ² , %				
Grasses ³	72.6	52.5	5.7				
Grass seedheads ⁴	12.6	65.1	9.9				
Legumes ⁵	4.4	66.1	17.1				
Forbs ⁶	8.6	45.6	6.8				
Sunflower heads	1.8	63.9	10.9				
Forage as offered		54.2	6.9				

¹DOM = Digestible Organic Matter, a proxy for TDN (energy)

 $^{{}^{2}}CP = Crude Protein$

 $^{{}^{2}}CP = Crude Protein$

³ mostly pearl, german and browtop millet

⁴ german and browtop millet

⁵ cowpea, mungbean, spring pea and vetch

⁶ mostly sunflower stems

Table 5. Forage biomass and disappearance of summer planted 17 species mix when continuously grazed (CONT) or strip-grazed (STRIP) in the fall/winter in eastern NE

Variable	CONT	STRIP	SEM	P-Value
Initial biomass, lb/ac	2,509	2,219	213	0.44
Final biomass, lb/ac	1,358	1,367	51	0.91
Disappearance, lb DM/AUM ¹	963	523	208	0.28
	Disappearance, % change	ge from initial biomass		
Grasses	36.0	29.3	10.2	0.69
Grass Seedheads	81.0	74.7	3.2	0.29
Forbs and legumes ²	54.7	27.7	15.0	0.33
Sunflower heads	100	100	-	-

¹AUM = Animal Unit Month = 1000-pound animal grazing over a month of time; expected intake would be 702 lb of DM

Table 6. Carrying capacity and performance of steers grazing a summer planted 17 way mix continuously (CONT) or strip-grazed (STRIP) over a 54 d period in the fall/winter in eastern NE

Variable	CONT	STRIP	SEM	<i>P</i> -value
Initial BW, lb	635	635	0.7	1.00
Final BW, lb	718	713	5.3	0.55
ADG, lb	1.54	1.45	0.08	0.55
AUM/ac ¹	1.20	1.71	0.13	0.10
Gain, lb/ac	83	109	2.9	0.02
Cost of gain, \$/lb	0.81	0.78	0.03	0.56

¹AUM = Animal Unit Month, a 1000-pound animal grazing for one month

Table 7. Effect of continuously grazing (CONT) vs. strip-grazing (STRIP) stockpiled annual forages in the fall/winter on carrying capacity and forage disappearance over 7 site years

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Variable	CONT	STRIP	SEM	P value
Initial biomass, lb/ac	2,288	2,104	605	0.27
Final biomass, lb/ac	940	802	259	0.16
AUM/ac	1.26	1.74	0.26	0.02
Disappearance, lb DM/AUM	1,643	767	544	0.20

¹AUM = Animal Unit Month = 1000-pound animal grazing over a month of time; expected intake would be 702 lb of DM

²mostly sunflower stems