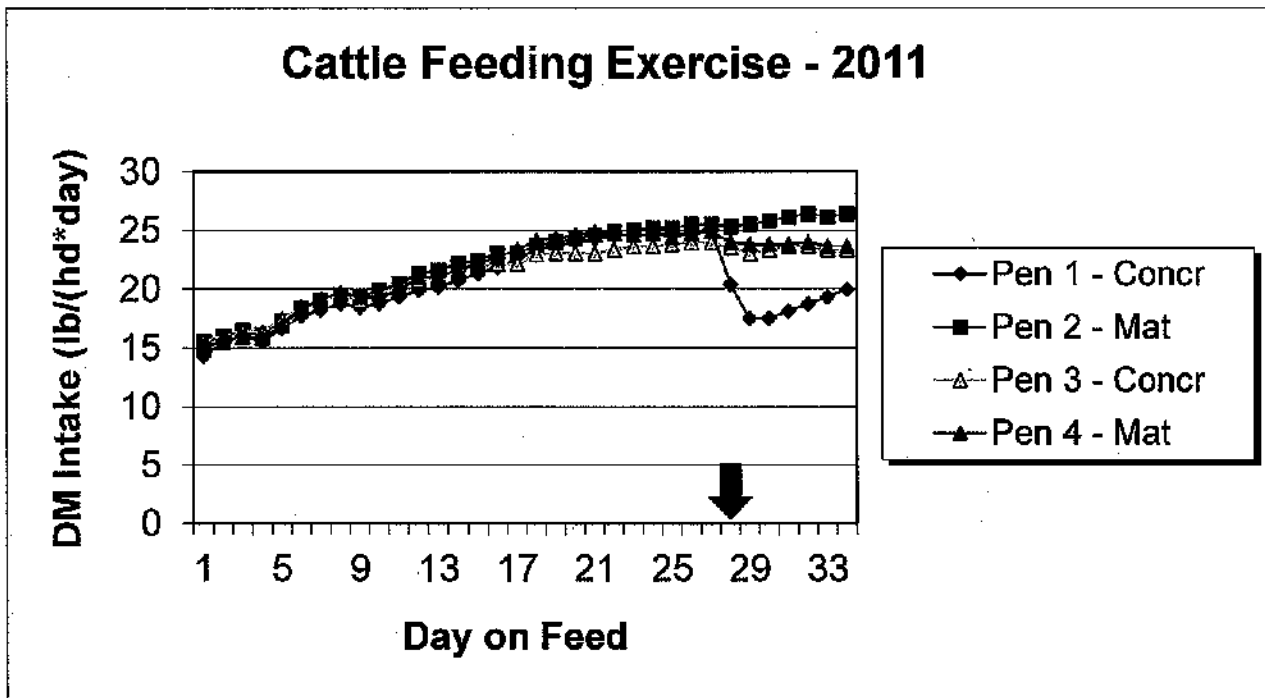


Summary 2011 Cattle Feeding Exercise

Pen	Floor	Initial Wt 10/14/2011 (lb)	Final Wt 11/11/2011 (lb)	ADG (lb/d)	DMI (lb/d)	DM/Gain	d27 DMI (lb/d)	Peak DMI/ Final Wt (%)
1	Concr	854	953	3.52	20.7	5.88	25.2	2.64
2	Mat	821	939	4.21	21.6	5.12	25.5	2.71
3	Concr	767	869	3.63	20.9	5.75	23.9	2.76
4	Mat	839	964	4.46	21.3	4.78	24.9	2.58



Floor	Initial Wt 10/14/2011 (lb)	Final Wt 11/11/2011 (lb)	ADG (lb/d)	DMI (lb/d)	DM/Gain	d27 DMI (lb/d)	Peak DMI/ Final Wt (%)
No Mat	810.5	911.0	3.58 ^a	20.8	5.82 ^a	24.55	2.70
Mat	830.0	951.5	4.34 ^b	21.4	4.95 ^b	25.2	2.65

^{a,b} Means with different superscripts differ (P<0.05)

CFEX - Conventional Diet									
Diet Formulation, Dry Matter Basis									
	DM, prop.	CP, %	Ca, %	P, %	K, %	S, %	EE, %	NEm	NEg
Requirement	100.000	13.000	0.700	0.479	0.810	0.287	7.000	92.000	61.000
Ingredient									
Corn silage	15.000	0.945	0.033	0.029	0.138	0.015	0.480	10.950	6.825
Urea, 287%	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Wheat midds	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Molasses, cane, dry	2.000	0.180	0.022	0.003	0.072	0.009	0.006	1.550	0.980
Fixed ingred subtot.	17.000	1.125	0.055	0.032	0.210	0.024	0.486	12.510	7.805
Corn, dry, cracked	48.241	4.342	0.010	0.145	0.193	0.058	2.074	47.277	31.357
Distill grains, mod wet	29.659	7.533	0.027	0.303	0.406	0.205	2.610	27.879	18.981
Subtotal	94.900	13.000	0.091	0.479	0.809	0.287	5.170	87.666	58.143
Deficit (S)	5.100	0.000	0.609	0.000	0.000	0.000	1.830	4.334	2.857
Dyna-Mate	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Subtotal	94.900	13.000	0.091	0.479	0.809	0.287	5.170	87.666	58.143
Deficit (P)	5.100	0.000	0.609	0.000	0.000	0.000	1.830	4.334	2.857
Dicalcium phosphate	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Subtotal	94.902	13.000	0.092	0.479	0.809	0.287	5.170	87.666	58.143
Deficit (Ca)	5.098	0.000	0.608	0.000	0.000	0.000	1.830	4.334	2.857
Limestone	1.925	0.000	0.608	0.000	0.000	0.000	0.000	0.000	0.000
Subtotal	96.827	13.000	0.700	0.479	0.809	0.287	5.170	87.666	58.143
Deficit (K)	3.173	0.000	0.000	0.000	0.000	0.000	1.830	4.334	2.857
Dyna-K	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Subtotal	96.827	13.000	0.700	0.479	0.810	0.287	5.170	87.666	58.143
Vitamins A&D, #1	0.200		(provides 2000 IU A/lb diet DM)						
Vitamin E, #118	0.135		(provides 30 IU/lb diet DM)						
Bova 1400 Mixer	2.170		(provides 33 g lasalocid/T DM)						
Tylan 2.75	0.200		(provides 11 g tylosin/T DM)						
Max-Fat	0.000						0.000	0.000	0.000
TM Salt	0.200								
Subtotal	99.732								
Corn, ground	0.268	0.024	0.000	0.000	0.000	0.000	0.000	0.000	0.000
TOTAL	100.000	13.024	0.700	0.479	0.810	0.287	5.170	87.666	58.143
Suppl Total	36.759	7.737	0.657	0.306	0.479	0.214	2.616	29.439	19.961
Nutr % in Suppl		21.0	1.8	0.8	1.3	0.6	7.1	80.1	54.3

CFEX - Conventional Diet									
CFEX pellets									
	DM		As-fed						
	formula	DM	As-fed	formula	Batch, lbs	Batch, lbs	Batch, lbs	NEm	NEg
Ingredient	(%)	(%)	(parts)	(%)	1500	2000	6000	Mcal/cwt	Mcal/cwt
Distill grains, mod wet	5.900	90	6.556	46.643	699.6	932.9	2798.6	27.879	18.981
Urea, 287%	0.000	97	0.000	0.000	0.0	0.0	0.0	0.000	0.000
Molasses, cane, dry	2.000	94	2.128	15.138	227.1	302.8	908.3	1.560	0.980
Dyna-Mate	0.000	98	0.000	0.002	0.0	0.0	0.1	0.000	0.000
Dicalcium phosphate	0.001	98	0.001	0.010	0.1	0.2	0.6	0.000	0.000
Limestone	1.925	100	1.925	13.698	205.5	274.0	821.9	0.000	0.000
Dyna-K	0.000	98	0.000	0.002	0.0	0.0	0.1	0.000	0.000
Vitamins A&D, #1	0.200	97	0.206	1.467	22.0	29.3	88.0	0.000	0.000
Vitamin E, #118	0.135	95	0.142	1.011	15.2	20.2	60.7	0.000	0.000
Bova 1400 Mixer	2.170	92.00	2.359	16.782	251.7	335.6	1006.9	0.000	0.000
Tylan 2.75	0.200	88.14	0.227	1.615	24.2	32.3	96.9	0.000	0.000
Max-Fat	0.000	100	0.000	0.000	0.0	0.0	0.0	0.000	0.000
TM Salt	0.200	97	0.206	1.467	22.0	29.3	88.0	0.000	0.000
Corn, ground	0.268	88	0.304	2.166	32.5	43.3	129.9	0.000	0.000
TOTAL	13.000		14.055	100.000	1500.0	2000.0	6000.0	29.439	19.961
CFEX pellets									
DM, %	92.49								
CFEX - Conventional Diet									
DM formula									
Ingredient	(%)								
Corn silage	15.000								
Distill grains, mod wet	23.759								
Corn, dry, cracked	48.241								
CFEX pellets	13.000								
TOTAL	100.000								

AS 431 - 2011
Cattle Feeding Exercise

Type of sample	Sampling date	Sample DM, %	Mean	Std.dev.	Coeff. var., %
Corn silage	20-Oct	40.6			
Corn silage	20-Oct	40.8			
Corn silage	26-Oct	41.1			
Corn silage	26-Oct	40.8	40.8	0.21	0.50
Corn silage	28-Oct	40.5			
Corn silage	28-Oct	40.7	40.8	0.22	0.53
Corn silage	29-Oct	39.7			
Corn silage	29-Oct	40.6	40.6	0.48	1.18
Corn silage	6-Nov	39.9			
Corn silage	6-Nov	40.6			
Corn silage	8-Nov	40.4			
Corn silage	8-Nov	41.2	40.8	0.54	1.33
Modified Wet Dist	20-Oct	43.9			
Modified Wet Dist	20-Oct	43.8			
Modified Wet Dist	26-Oct	43.4			
Modified Wet Dist	26-Oct	36.6	41.9	3.59	8.56
Modified Wet Dist	28-Oct	41.0			
Modified Wet Dist	28-Oct	42.1	41.8	2.81	6.73
Modified Wet Dist	29-Oct	41.3			
Modified Wet Dist	29-Oct	41.1	41.7	2.32	5.56
Modified Wet Dist	6-Nov	39.8			
Modified Wet Dist	6-Nov	39.7			
Modified Wet Dist	8-Nov	40.6			
Modified Wet Dist	8-Nov	41.8	41.3	0.85	2.06
Corn, cracked	20-Oct	86.7			
Corn, cracked	20-Oct	86.7			
Corn, cracked	26-Oct	88.8			
Corn, cracked	26-Oct	87.3	87.4	1.02	1.17
Corn, cracked	28-Oct	86.6			
Corn, cracked	28-Oct	86.7	87.1	0.87	1.00
CFEX pellets	20-Oct	91.6			
CFEX pellets	20-Oct	91.4			
CFEX pellets	26-Oct	93.5			
CFEX pellets	26-Oct	92.6	92.3	0.94	1.02
CFEX pellets	28-Oct	91.8			
CFEX pellets	28-Oct	91.9	92.1	0.76	0.82

Diet 5 - CFEX

		CFEX - 2011			
		Ingredients			
	Corn Silage	MWDG	Corn	Pellet	
DM, %	40.8	41.9	87.4	92.3	
Formula (Dry matter basis)					
	Corn Silage	MWDG	Corn	Pellet	
Diet 5	15.00	23.76	48.24	13.00	
Formula (As-fed basis)					
	Corn Silage	MWDG	Corn	Pellet	
Diet 5	22.6	34.8	33.9	8.7	
Diet dry matter, % =		61.4			

5

Summary 2010 Cattle Feeding Exercise

Pen	Suppl	Wt	Final Wt	ADG	DMI	DM/Gain	d30	Peak DMI/
		11/5/2010	11/17/2010				DMI	Final Wt
		(lb)	(lb)	(lb/d)	(lb/d)		(lb/d)	(%)
1	Concr	797	838	3.42	23.2	6.79	23.3	2.78
2	Mat	868	898	2.50	24.8	9.91	25.5	2.84
3	Concr	822	858	3.00	22.2	7.39	22.9	2.67
4	Mat	888	963	6.25	25.8	4.12	25.3	2.63

Pen	Initial Wt	Final Wt	ADG	DMI	DM/Gain
	10/18/2010	11/17/2010			
	(lb)	(lb)	(lb/d)	(lb/d)	
1	732	838	3.53	21.7	6.13
2	838	898	2.00	22.3	11.14
3	764	858	3.13	21.0	6.69
4	852	963	3.70	22.3	6.02

