



Title: **Beef Steers 700-1400 lbs**

2/26/2019

Cattle Specifications		Performance Projections	
Start Date	1/8/2019	Starting Weight (lbs.)	700
Finish Date	7/21/2019	Ending Weight (lbs.)	1444
No. of Head	100	Pay Weight (lbs.)	1401
Purch Price (\$/CWT)	142.30	Days on Feed (DOF)	194
Sale Price (\$/CWT)	113.50	Feed/Head/Day (DM lb.)	22.16
In Shrink (%)	2.00%	Average Daily Gain (lb./Head/Day)	3.61
Out Shrink (%)	3.00%	Feed/Pound of Gain (DM lb.)	6.13
Average DOF at Death	50	Financial Prediction	
Death Loss (%)	2.50%	Breakeven Purchase Price (\$/CWT)	156.60
Proc/Marketing Chg (\$/Head)	35.00	Breakeven Sale Price (\$/CWT)	106.36
Interest (%)	6.00%	Profit/Loss per Head (\$/Head)	100.07
Yardage (\$/Head/Day)	0.35	Value added to corn (\$/bushel)	2.69
Sex (S)teer, (H)eifer, (B)ull, (C)ow	S	Death Loss Cost (\$/Hd)	29.90
Corn Price (\$/bushel)	\$ 3.50		

Feeding Program

Ingredient	\$/ton	% DM	Tons	% As-Fed				
				Starter	Grower 1	Grower 2	Finisher 1	Finisher 2
Corn, Dry/HM	\$ 125.00	89.00%	104.19	11.25%	4.49%	10.14%	21.35%	31.47%
Hay	\$ 120.00	90.00%	11.27	27.61%	9.09%	5.80%	3.80%	2.05%
Wet Gluten	\$ 62.00	45.66%	93.12	20.93%	19.41%	22.84%	24.99%	26.88%
Corn Silage	\$ 48.00	40.00%	54.77	19.11%	47.73%	39.11%	25.66%	13.81%
Mod. Distillers	\$ 80.00	50.47%	84.22	18.94%	17.56%	20.66%	22.61%	24.31%
Dist Bal R1000	\$ 525.00	96.95%	5.33	2.16%	1.72%	1.45%	1.59%	1.48%
Total Percent				100.00%	100.00%	100.00%	100.00%	100.00%
Days Fed				10	5	5	5	169
Average Daily Gain, lb				2.10	2.45	2.90	3.50	4.10
Starting Weight, lb				686	707	719	734	751
Ending Weight, lb				707	719	734	751	1444
Feed Intake, lb as fed			Intake Adj	24.08	30.93	30.54	28.46	37.68
Feed Intake, lb dry matter			100%	15.35	15.67	15.93	16.24	23.12
Diet Dry Matter, %			100%	63.72%	50.66%	52.15%	57.05%	61.35%
Diet Dry Matter Cost, \$/ton			100%	\$ 150.41	\$ 147.14	\$ 147.09	\$ 149.86	\$ 150.45
Diet As-Fed Cost, \$/ton				\$ 95.84	\$ 74.54	\$ 76.71	\$ 85.49	\$ 92.31
Feed Cost per Head per Day				\$ 1.15	\$ 1.15	\$ 1.17	\$ 1.22	\$ 1.74

Cost of Gain

Description	\$/CWT	\$/Head	\$/Head due to Death Loss	Total \$
Feed	46.11	323.14	83.28	31,909.63
Yardage	9.69	67.90	17.50	6,705.13
Processing Costs	4.99	35.00	35.00	3,500.00
Animal Interest	4.53	31.77	31.77	3,176.60
Feed Interest	0.71	4.95	1.28	495.42
Processing Interest	0.16	1.12	1.12	111.62
Total Cost	66.19	463.87	169.94	45,898.40

Profit or loss per head at differing purchase and sale prices

Purchase Price/CWT	Sale Price/CWT							
	107.50	109.50	111.50	113.50	115.50	117.50	119.50	121.50
136.30	60.47	88.48	116.50	144.52	172.53	200.55	228.57	256.58
138.30	45.65	73.67	101.68	129.70	157.72	185.73	213.75	241.77
140.30	30.83	58.85	86.87	114.88	142.90	170.92	198.93	226.95
142.30	16.02	44.03	72.05	100.07	128.08	156.10	184.12	212.13
144.30	1.20	29.22	57.23	85.25	113.27	141.28	169.30	197.32
146.30	-13.62	14.40	42.42	70.43	98.45	126.47	154.48	182.50
148.30	-28.43	-0.42	27.60	55.62	83.63	111.65	139.67	167.68



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Profit or loss per head at differing purchase, sale, and corn prices									
Purchase Price/CWT	Corn Price/Bu	Sale Price/CWT							
		107.50	109.50	111.50	113.50	115.50	117.50	119.50	121.50
136.30	2.50	98.47	126.48	154.50	182.52	210.53	238.55	266.57	294.58
	2.75	88.97	116.98	145.00	173.02	201.03	229.05	257.07	285.08
	3.00	79.47	107.48	135.50	163.52	191.53	219.55	247.57	275.58
	3.25	69.97	97.98	126.00	154.02	182.03	210.05	238.07	266.08
	3.50	60.47	88.48	116.50	144.52	172.53	200.55	228.57	256.58
	3.75	50.97	78.98	107.00	135.02	163.03	191.05	219.07	247.08
	4.00	41.47	69.48	97.50	125.52	153.53	181.55	209.57	237.58
	4.25	31.97	59.99	88.00	116.02	144.03	172.05	200.07	228.08
4.50	22.47	50.49	78.50	106.52	134.54	162.55	190.57	218.58	
138.30	2.50	83.65	111.67	139.68	167.70	195.72	223.73	251.75	279.76
	2.75	74.15	102.17	130.18	158.20	186.22	214.23	242.25	270.27
	3.00	64.65	92.67	120.68	148.70	176.72	204.73	232.75	260.77
	3.25	55.15	83.17	111.18	139.20	167.22	195.23	223.25	251.27
	3.50	45.65	73.67	101.68	129.70	157.72	185.73	213.75	241.77
	3.75	36.15	64.17	92.18	120.20	148.22	176.23	204.25	232.27
	4.00	26.65	54.67	82.68	110.70	138.72	166.73	194.75	222.77
	4.25	17.15	45.17	73.18	101.20	129.22	157.23	185.25	213.27
4.50	7.65	35.67	63.69	91.70	119.72	147.73	175.75	203.77	
140.30	2.50	68.83	96.85	124.87	152.88	180.90	208.91	236.93	264.95
	2.75	59.33	87.35	115.37	143.38	171.40	199.42	227.43	255.45
	3.00	49.83	77.85	105.87	133.88	161.90	189.92	217.93	245.95
	3.25	40.33	68.35	96.37	124.38	152.40	180.42	208.43	236.45
	3.50	30.83	58.85	86.87	114.88	142.90	170.92	198.93	226.95
	3.75	21.33	49.35	77.37	105.38	133.40	161.42	189.43	217.45
	4.00	11.83	39.85	67.87	95.88	123.90	151.92	179.93	207.95
	4.25	2.34	30.35	58.37	86.38	114.40	142.42	170.43	198.45
4.50	-7.16	20.85	48.87	76.88	104.90	132.92	160.93	188.95	
142.30	2.50	54.02	82.03	110.05	138.06	166.08	194.10	222.11	250.13
	2.75	44.52	72.53	100.55	128.57	156.58	184.60	212.61	240.63
	3.00	35.02	63.03	91.05	119.07	147.08	175.10	203.12	231.13
	3.25	25.52	53.53	81.55	109.57	137.58	165.60	193.62	221.63
	3.50	16.02	44.03	72.05	100.07	128.08	156.10	184.12	212.13
	3.75	6.52	34.53	62.55	90.57	118.58	146.60	174.62	202.63
	4.00	-2.98	25.03	53.05	81.07	109.08	137.10	165.12	193.13
	4.25	-12.48	15.53	43.55	71.57	99.58	127.60	155.62	183.63
4.50	-21.98	6.04	34.05	62.07	90.08	118.10	146.12	174.13	
144.30	2.50	39.20	67.22	95.23	123.25	151.26	179.28	207.30	235.31
	2.75	29.70	57.72	85.73	113.75	141.76	169.78	197.80	225.81
	3.00	20.20	48.22	76.23	104.25	132.27	160.28	188.30	216.31
	3.25	10.70	38.72	66.73	94.75	122.77	150.78	178.80	206.82
	3.50	1.20	29.22	57.23	85.25	113.27	141.28	169.30	197.32
	3.75	-8.30	19.72	47.73	75.75	103.77	131.78	159.80	187.82
	4.00	-17.80	10.22	38.23	66.25	94.27	122.28	150.30	178.32
	4.25	-27.30	0.72	28.73	56.75	84.77	112.78	140.80	168.82
4.50	-36.80	-8.78	19.23	47.25	75.27	103.28	131.30	159.32	
146.30	2.50	24.38	52.40	80.41	108.43	136.45	164.46	192.48	220.50
	2.75	14.88	42.90	70.92	98.93	126.95	154.96	182.98	211.00
	3.00	5.38	33.40	61.42	89.43	117.45	145.46	173.48	201.50
	3.25	-4.12	23.90	51.92	79.93	107.95	135.97	163.98	192.00
	3.50	-13.62	14.40	42.42	70.43	98.45	126.47	154.48	182.50
	3.75	-23.12	4.90	32.92	60.93	88.95	116.97	144.98	173.00
	4.00	-32.62	-4.60	23.42	51.43	79.45	107.47	135.48	163.50
	4.25	-42.12	-14.10	13.92	41.93	69.95	97.97	125.98	154.00
4.50	-51.62	-23.60	4.42	32.43	60.45	88.47	116.48	144.50	
148.30	2.50	9.56	37.58	65.60	93.61	121.63	149.65	177.66	205.68
	2.75	0.07	28.08	56.10	84.11	112.13	140.15	168.16	196.18
	3.00	-9.43	18.58	46.60	74.62	102.63	130.65	158.66	186.68
	3.25	-18.93	9.08	37.10	65.12	93.13	121.15	149.17	177.18
	3.50	-28.43	-0.42	27.60	55.62	83.63	111.65	139.67	167.68
	3.75	-37.93	-9.92	18.10	46.12	74.13	102.15	130.17	158.18
	4.00	-47.43	-19.42	8.60	36.62	64.63	92.65	120.67	148.68
	4.25	-56.93	-28.92	-0.90	27.12	55.13	83.15	111.17	139.18
4.50	-66.43	-38.42	-10.40	17.62	45.63	73.65	101.67	129.68	