Should I Buy Stocker Calves This Fall or a Fishing License?

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Stocker Marketing Options



We must consider:
1) Stocker Production Programs
2) Cost of Production
3) Value of Gain
4) Marketing
5) Risk Management

Let's Talk About Stocker Production Programs



Stocker Production Programs

** EVERY OPERATION IS A LITTLE DIFFERENT! ** INDIVIDUALS MUST SEEK OUT THEIR COMPETITIVE ADVANTAGE!

- Class of Animal (breed, age, weight, sex, quality)
- Length of Grazing Period
- Time of the Year (Fall to Spring, etc.)
- Feedstuff (Forage, Supplement, Minerals)
- Land Resource
- Labor Availability
- Market Outlook (Cattle Cycle)
- Weather
- Other Factors of Production

Stocker Production Programs

• Fall to Spring

- Winter Annuals (Ryegrass, Rye, Oats, Clovers)
- Winter Annuals with Supplementation
- Stockpiled Forage with Supplementation
- Fescue + Clover
- Dry-lot
- Contract Graze Elsewhere
- Others

These are just a few alternatives types of Stocker Production Programs for this time period.

Stocker Production Programs



Let's Talk About Cost of Production



Let's Talk About Cost of Production

- Stocker Budget
- Cost of Gain
- Breakeven Price
- Price Objective

60	HEAD: STOCKER-S	TEER BUDGET (N	VINTER GRAZ	ZING - MEDIUM WEI	GHT CALVE	S);			
	ESTIMATED COSTS	AND RETURNS; U	ISING RECOM	MENDED MANAGE	MENT PRACT	TICES;			
450	LBS, BEG, WT.:					,			
1.80	LBS ADG	200	TOTAL DAYS	STOCKER PROGR	۹W	MAY	FUTURES CONT		
675	LBS STOCKED/AC	45	DAYS OF BA			י. ר	\$215.35	PERCWT	
1 50	HD STOCKED/AC	30		DDI EMENITAL FEET		ς, ΜΔΥ			
1.50	M DEATHIOSS	704					\$12.00		
1.50	70 DEATHE033,	/ 94	LDS. LINDING				-\$12.00	FLKCWI.	
ALABAMA, 2014-	2015								
		HEAD	UNIT	QUANTITY	PRICE OR	TOTAL	\$/HEAD	% OF	
	ITEM				COST/UNIT	VALUE/COST	SOLD	TOTAL	
	DTS								
		50.00	CWT	7.04	202.25	05 261 24	1614.60	100.00%	
FEEDER CATH		59.00	CVV1.	7.94	203.35	95,201.34	1014.00	100.00%	
2. VARIABLE COS	ST								
STOCKER CAL	VES	60.00	CWT.	4.50	260.00	70,200.00	1189.83	75.08%	
WINTER GRAZI	NG		ACRE	40.00	194.81	7,792.40	132.07	8.33%	
SALT & MIN.			CWT.	22.50	30.00	675.00	11.44	0.72%	
HAY			TON	9.00	100.00	900.00	15.25	0.96%	
VET & MED			HD.	60.00	26.00	1,560.00	26.44	1.67%	
STARTER/REC	EIVING FEED		TON	2.10	275.00	577.50	9.79	0.62%	
BACKGROUND	ING FEED		TON	6.75	175.00	1,181.25	20.02	1.26%	
SUPPLEMENTA	AL FEED		TON	4.50	175.00	787.50	13.35	0.84%	
LABOR			HOUR	240.00	12.00	2,880.00	48.81	3.08%	
LAND RENTAL			ACRE	40.00	20.00	800.00	13.56	0.86%	
MARKETING EX	KPENSES		HD.	59.00	32.29	1,905.23	32.29	2.04%	
BEEF PROMOT	TION FEE		HD.	59.00	2.00	118.00	2.00	0.13%	
EQUIPMENT (R	EPAIR)		DOL.			127.15	2.16	0.14%	
INTEREST ON C	OP. CAP.		DOL.	46,635.09	0.0575	2,681.52	45.45	2.87%	
TOTAL VARIAB	LE COSTS					92,185.55	1562.47	98.59%	
3. INCOME ABOV	E VARIABLE COST					3,075.79	52.13		
4. FIXED COST									
GENERAL OVE	RHEAD		HD.	60.00	2.50	150.00	2.54	0.16%	
WINTER GRAZI	NG		ACRE	40.00	7.66	306.40	5.19	0.33%	
INT. ON BLDG.			DOL.	3.778.38	0.0650	245.59	4.16	0.26%	
DEPR. ON BLD	G. AND EQUIP.		DOL.			567.90	9.63	0.61%	
OTHER F.C. ON	BLDG. & EQUIP.		DOL.			49.34	0.84	0.05%	
			-			,			
TOTAL FIXED C	COSTS					1,319.24	22.36	1.41%	
5. TOTAL COST OF ALL SPECIFIED EXPENSES 93,504.79 1584.83 100.00%									
6. NET RETURN A	BOVE TOTAL COSTS					1,756.55	29.77		
						,			

Cost of Gain

- Cost of Gain, \$/lb. the sum of production costs (variable and fixed) plus death loss divided by the weight gain of the feeders.
- For example, in the fall of 2015 if 70 *head* of 350-*lb*. stocker steers were purchased, grazed and supplemented for 240 days, incurred production costs of \$24,500 (\$350/*head*) with a death loss of \$1,397 (2% * \$69,825) and realized a total weight gain of 27,600 *pounds* (69 *head* * 400 *pounds* of gain), the cost of gain would total \$25,897 or \$0.94/*lb*. (\$25,897/27,600 *lbs*.) for feeder steers with a sale weight of 750-*lbs*.





Cost of Production

- **Breakeven Price** the sum of production costs (variable and fixed) divided by the sale weight of the feeders.
- For example, in the fall of 2015 if 70 *head* of stocker steers were purchased at \$69,825 (\$998/*head* or \$2.85 * 350 *lbs.*), production costs were \$24,500 (\$350/*head*), the total breakeven price would be \$94,325 (\$1,367/*head* or \$182/*cwt*) for feeder steers with a sale weight of 750-*lbs.*



Cost of Production

- **Price Objective** the sum of production costs (variable and fixed), family living withdrawal, and growth capital/retirement divided by the sale weight of the feeders.
- For example, in the fall of 2015 if 70 *head* of stockers were purchased with a breakeven price of \$94,325, a family living withdrawal of \$3,500 was desired, and \$3,500 for growth capital/retirement saving, the total price objective would be \$101,325 (\$1,468/*head* or \$196/*cwt*.).





Let's Talk About Marketing



Let's Talk About Marketing

- Market Outlook
- Cattle Cycles
- Seasonal Price Trends
- Expected Cash Price



Figure 1. U.S. Cattle and Calves Inventory, January 1, 1949-2016













Let's Talk About Value of Gain



Let's Talk About Value of Gain

- Historical Value of Gain
- Value of Gain by Cattle Price Cycle Segment
- Monitor Value of Gain During Production Period
- Example Net Value of Gain Analysis



Feeder Cattle Expected Value of Gain and Profitability by Segment of the Cattle Price Cycle, 2013-2024*



Feeder Cattle Expected Value of Gain and Profitability by Segment of the Cattle Price Cycle, 2013-2024*

Segment of Cattle Price Cycle	Expected Value of Gain	Expected Profitability			
Top of Price Cycle (2013-2015)	Moderate VOG	Profits/ Losses			
Downward Price Transition (2015-2019)	Low VOG	Significant Losses			
Bottom of Price Cycle (2020-2022)	Moderate VOG	Profits /Losses			
Upward Price Transition (2022-2024)	High VOG	Significant Profits			
*These are projections by the author as of June xx, 2016. The author reserves the right to revise these projections as new economic information becomes available.					







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Table 1. Fall to Spring Stocker Cattle Economic Evaluation, 2016-2017.

Assumptions:

Steers Sex of Stocker Calves 9/15/2016 Expected Purchase Date **350** Expected Purchase Weight, *lbs*. \$1.45 Expected Purchase Price, \$/lb. **150** Number of Head **100** Number of Grazing Acres 5/15/2017 Expected Sale Date 750 Expected Sale Weight, Shrunk *lbs*. 4.00% Expected Death Loss & Chronics, % \$0.85 Expected Total Cost of Gain, \$/lb. * **\$0.10** Potential Change in Cost of Gain, *\$/lb*. 8/1/2016 Today's Date May 2017 Feeder Cattle Futures Contract Month & Year **\$133.80** Feeder Cattle Futures Contract Price -\$10.00 May 2017 Estimated Feeder Cattle Basis, \$/cwt. \$123.80 May 2017 Expected Feeder Cattle Cash Price, \$/cwt.

1.50	head/acre		
242	Days		
1.65	ADG		

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Summary of Basic Stocker Data

	Number of Head	Weight /Head	Total Weight	Market Price	Total Dollars	Dollars /Head	Dollars /Acre
Stocker Calves	150	350	52,500	\$1.45	\$76,125	\$507.50	\$761
Feeder Cattle	144	750	108,000	\$1.24	\$133,704	\$928.50	\$1,337
Difference	-6.0	400	55,500	-\$0.21	\$57,579	\$421	\$576

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Value of Gain Analysis					
Value of Gain Per Pound	\$133,704	•	\$76,125	=	\$1.04
		55,500)		
Value of Gain Per Head	\$133,704	-	\$76,125	=	\$400
		144			
Value of Gain Per Acre	\$133,704	-	\$76,125	=	\$576
		100			
Value of Gain	\$133,704	•	\$76,125	=	\$57,579

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Net Value of Gain Analysis

	[\$0.85]		\$0.95]
	Value of Gain	Cost of Gain	Net Value of Gain	Value of Gain	Cost of Gain	Net Value of Gain
\$ Per Pound	\$1.04	\$0.85	\$0.19	\$1.04	\$0.95	\$0.09
\$ Per Head	\$400	\$328	\$72	\$400	\$366	\$34
\$ Per Acre	\$576	\$472	\$104	\$576	\$527	\$49
Total \$	\$57,579	\$47,175	\$10,404	\$57,579	\$52,725	\$4,854

*Total cost of gain is total variable and fixed costs (not including stocker value) divided by total pounds of gain.

Let's Talk About Risk Management



Let's Talk About Risk Management

- Be A Low-Cost Producer
- Diversify Your Enterprises
- Have An Off-Farm Job
- Use Seasonal Price Trends
- Use Some Form of Market Price Protection
- Monitor Price Opportunities (BE, PO, VOG)
- Average Market Price Over Time
- Others...

Feeder Cattle Risk Management

- Be a low-cost producer
 - Lowers Breakeven Price and Price Objective
 - Lowers Potential Financial Loss
 - Improves the Opportunity to use Price Protection
 - Improves Profitability
 - Others....

GFQ16 - Feeder Cattle - Daily OHLC Chart







Feeder Cattle Futures Contracts To Protect Against Falling Prices

- Short Hedge is to sell a feeder cattle futures contract and then buy it back at the time you sell the feeder cattle in the cash market.
- **Put Option** is to buy a put option on a feeder cattle futures contract. The put option entitles you the right, but not the obligation, to short hedge the feeder cattle at a selected strike price.

Total Dollars Above or Below Price Objective, Based on Daily Close of August 2012 Feeder Cattle Futures



Thank you for your Attention!

- Please feel free to share your: -Comments -Questions
- -Suggestions

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