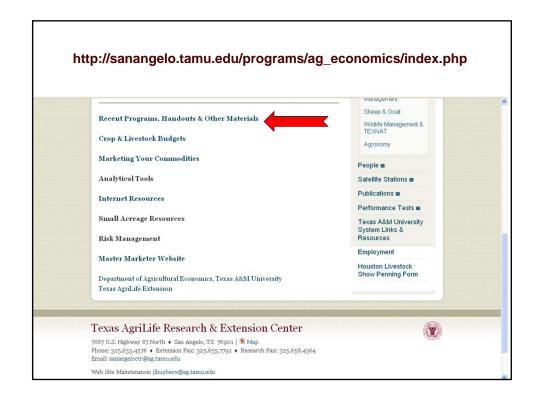


Prices for 2008-2012					
	11-1300	7-800	5-600		
2008	92.78	101.00	106.87		
2009	83.25	94.38	101.56		
2010 I	89.44	98.50	110.52		
II	96.33	108.89	118.17		
III	95.47	109.57	115.59		
IV	100.28	108.52	115.03		
2011 I	110.12	126.29	140.29		
II	112.79	128.69	137.92		
III	107-109	129-135	133-139		
IV	112-116	127-132	128-134		
2012 I	113-119	123-129	131-138		
II	116-121	127-133	135-144	Texas Combined Auction for 5-600	
III	112-119	130-137	137-147	and 7-800	
IV	115-121	124-133	132-141/	AgriLIFE EXTENSION Texas A&M System	

Drought Mitigation

- . . . less than an hour to discuss what many of your have been working at your whole lives. I hope to maybe readjust your focus a little.
 - Cow/Calf Budget Starting Point
 - PRF Insurance
 - Supplemental feed
 - Pasture, range cubes, hay
 - Reducing numbers
 - Contingency planning







Budgets

- You can't invite an economist and not expect to talk about a budget.
 - But, it is the logical starting point.
 - My numbers are estimates that may mean nothing to you, but if you repeat this exercise with your own numbers, the value of the process will become evident.



Partial Budget

- Partial budget
 - Only looking at the cows.
 - Not looking at goats, sheep, hay production, etc.
- Variable cost Vs. Fixed costs
- Cash Expense Vs. Non-Cash Exp.
 - Minor adjustments will need to be made with either preference



Basic Review of Key Issues

- Calf Weaning Percentage
 - -85% (At least for this year)
 - Sell: .425 Steer calves

.275 Heifer calves

.150 cull cows (retained heifers)

.85 weaned calves

 Something to consider later; Do we have the resources this year to develop heifers

AgriLIFE EXTENSION

- Cull Bull a bull is kept for 5 years, and services 25 cows/yr.
 - 1bull/5 years/25 cows.
 - = .008 bulls



- Pasture rent:
 - Assuming all owned pasture. You can adjust allocated expense at bottom of budget.
 - Feed Costs:
 - \$28 of fixed costs = Taxes and Ins. (Ranch Overhead)
 - \$90 grass (allocated expense)
 - \$70 purchased feed
 - \$188 or \$15.66/month (keep this figure in mind for later)



- Labor
 - Only showing some day labor
 - 4 man days/yr @ \$150/day
 (\$150*4)/100cows = \$6.00/hd.
 - No hired (W-2) labor
 - Assessing a Management Charge of \$25/hd (Family Living)



- M & E
 - Diesel Fuel
 - 11.5 gal X
 - 14 mpg
 - 161 miles per cow X
 - 100 cows
 - 16,100 miles per year
 - Above that... another enterprise or F.L.



- M & E
 - Repairs and depreciation are pulled from SPA Data Base.



- Marketing Exp
 - Only sale barn type expenses are reflected. ± video/private treaty sale
 - Assuming trucking is in cost of fuel and repairs, but can add some if necessary.



- Interest
 - Only assessed on the value of operating capital.
- Other principle and interest payments will need to be covered through \$100.64 of F.C.



- Risk Management
 - PRF insurance More to come in a few minutes.
 - Price insurance None in this budget. (Options, futures contracts, LRP contracts)



- Total Direct or Variable Cost:
 \$343.12 (remember my disclaimers)
- Total Fixed Costs:\$120.88 + \$115.00 (allocated exp)= \$235.88
- Total cost per Cow = \$579.00



Sensitivity Analysis

Weani	Gross Sales per Cow	Lbs of Beef Produced per Cow	Breakeven Calf Pay Weight to Cover Total Cost	Average Breakeven Calf Price to Cover Total Cost
91%	\$651.37	489	469	\$116.59
88%	\$629.83	473	488	\$121.63
85%	\$608.29	457	509	\$126.82
82%	\$586.74	441	532	\$133.47
79%	\$565.20	425	557	\$138.64



Sensitivity Analysis

- Implications of deteriorating body conditions scores.
 - Less (or slower) breed back
 - Higher incidence of aborted or sloughed calves
 - Lower birth weights
 - Reduced calf vigor (losses after calving)
 - Lower Weaning weights



Drought Mitigation

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Pasture Rainfall, Forage (PRF) Insurance

- Agforceusa.com/RMA/ri/prf/maps
 - Grid locator and links to decision support tool



PRF Usage: Lampasas Co., TX

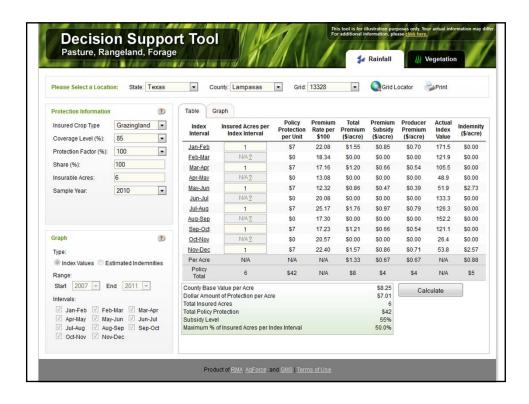
- 2010
 - 22 contracts covering 38,007 acres
 - >1,727 ac per contract (average)
 - \$523,049 insured value
 - Producer premium = \$47,245
 - Indemnity paid = \$104,751 or \$2.22/\$1 pd.
- 2011
 - 25 contracts covering 37,494 acres
 - > 1,500 ac per contract (average)
 - \$559,008 insured value

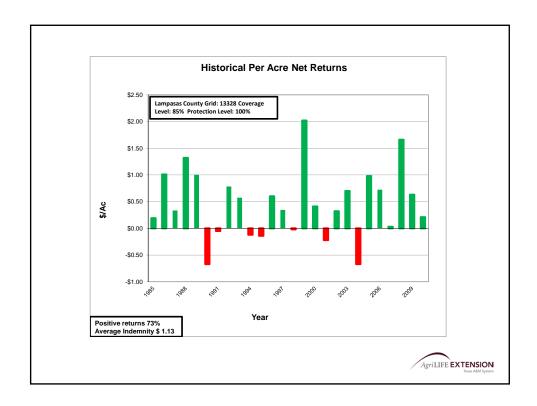


PRF Insurance - Lampasas Co.

- County Base per Acre:
 - Grazing Land = \$8.25
 - Hayland= \$243.43
- Coverage Level
 - 70% to 90% of indexed rainfall
- Protection Factor
 - -60% to 150% (of County Base)







PRF Insurance – Lampasas Co.

- At 85% coverage and 100% protection
 - For every \$1 of premium paid, a \$1.68 was returned over a 26 year period (1985-2010).



PRF Insurance – Lampasas Co.

- The second two month interval (Mar-Apr) of 2011 has generated a \$5.88/ac indemnity (85%/100%)
- \$5.88/ac * 30ac/AU = \$176.40 available for supplemental feed purchases.



How much are we willing to spend on supplemental feed?

- Cow herds have historically produced a very small rate of return. There is not a lot of excess cash in most operations.
- \$29.28 net return + \$25.00
 Management Charge = \$54.28



How long are we willing to supplement the herd?

- When will it rain again? (It will, but when?)
- What will be produced when it does rain? Grass, weeds, etc
 - The drought effects on pasture can persist for longer than thought.



How long are we willing to supplement the herd?

- The drought effects on pasture can persist for longer than thought.
- In the mean time the cows BCS likely to decline, along with
 - Conception rates
 - Weaning percentages
 - Weaning weights

This is what affects our bottom line; Lbs of beef produced per exposed female



Supplemental Feed Purchases

- Additional Pasture
 - Where available?
 - What cost? Grass and Transportation (to and from).
 - \$15/hd/mo for range requiring 30 Ac per AU is equivalent to a \$6 per acre season long lease.



Supplemental Feed Purchases

- Range Cubes
 - I already have 120 lbs per cow in the budget.
 - \$17/cwt for a 20% cube.



Supplemental Feed Purchases

- Released CRP
 - Cost of access to grass
 - Trucking to grass
 - Electric fence may be necessary
 - Water
 - Quality of forage



Supplemental Feed Purchases

- Limit Feeding
 - Current grain prices most likely preclude this option.
 - Issues transitioning the rumen bacteria from a forage based diet to a grain based diet.



Reducing Numbers

- Where to start?
- What is the cost of keeping an open cow?





Keeping an open cow

- Lets reduce Vet bill by \$5.00
- Will not be implanting a calf -\$1.36
- No Marketing expense associated with selling calf -\$17.50
- \$579.00 total cost-\$23.86=\$555.14
- She has to go to town! Especially this year.

AgriLIFE EXTENSION

Other suggestions

- If we wean calves early, lets preg check and mouth cows a little earlier as well.
- Identify next cows to sell
 - Open cows
 - Late bred cows
 - Broken mouth/aged cows



Other Suggestions

 If the cow is bred, but you have not been happy with her calves, sell her!



Pregnancy Checking

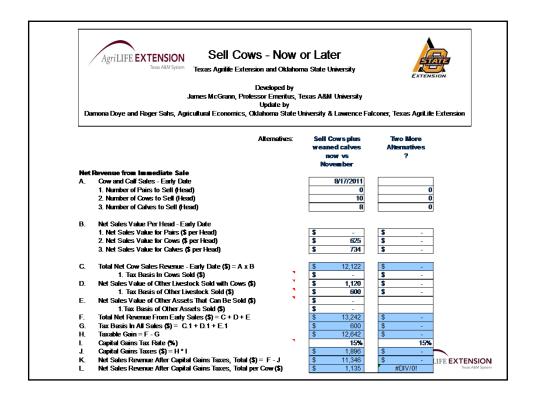
- Unless you are (very) skilled at it, hire this done.
 - The cost of being wrong is too great (\$500+) relative to \$2.50 - \$5.00 cost.

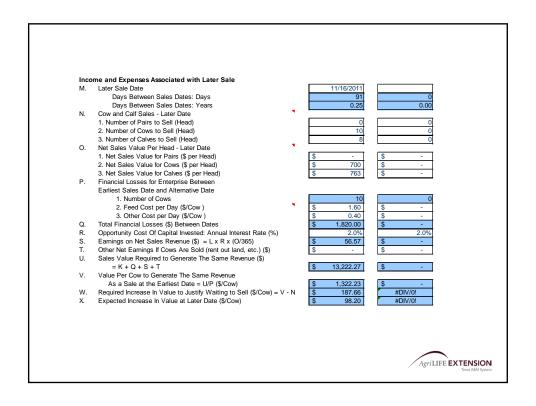


Sell Now Vs Sell Later Decision Aid

- Useful tool to help in making the timing decision if partial or complete liquidation is necessary
- Two Locations
 - http://www.beefextension.com
 - http://sanangelo.tamu.edu/programs/
 ag_economics/index.php/







Questions or Comments?

Give me a call!

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