CATTLEMEN'S DAY 2014

101ST ANNUAL

Kansas State University
Agricultural Experiment Station
Cooperative Extension Service



Animal Sciences & Industry Weber Hall Manhattan, Kansas

Beef-Cattle Industry Outlook & Economics of Evolving Technology and Regulations

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Overarching Economic Outlook

Supplies

- Continued pull down in overall # of head & beef lbs
- Very current marketings & limited calf crop

Demand

- Confusing yet positive
- Less certain than supply

Combined:

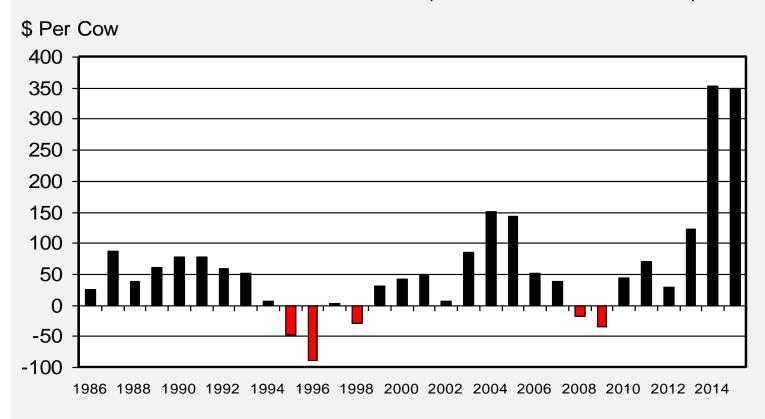
- Record price levels & notable industry excitement



Economic Outlook Overview: Cow-Calf

ESTIMATED AVERAGE COW CALF RETURNS

Returns Over Cash Cost (Includes Pasture Rent), Annual



Livestock Marketing Information Center Data Source: USDA-AMS & USDA-NASS, Compiled & Analysis by LMIC

C-P-66 02/25/14



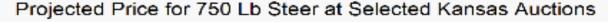
Economic Outlook Overview: Cow-Calf

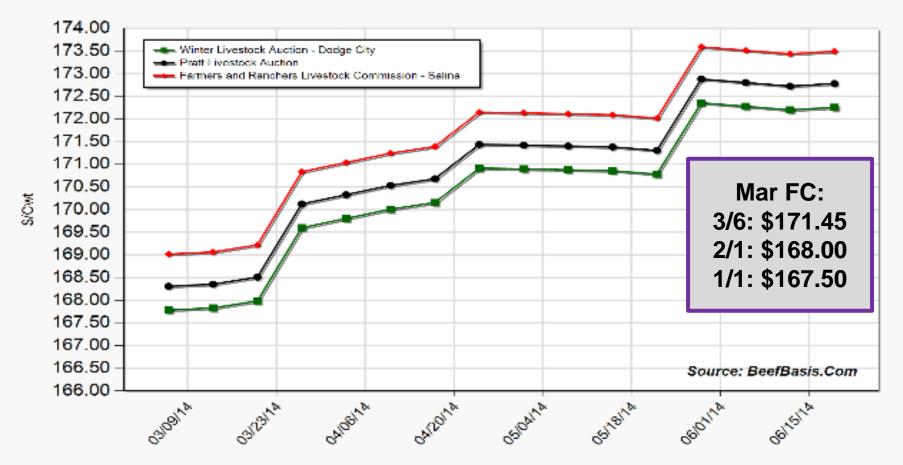
- Several drivers of margin improvements:
 - Better pastures, lower input prices, higher calf prices...

- Are improvements sufficient to trigger expansion?
 - Jan. 2014 Cattle Inv. Report: small increase in retention
 - Feb. 13, 2014 ERS 10-yr projections
 - 2023 herd (33.7 mil hd) up 16% from 2012 levels
 - http://www.ers.usda.gov/publications/oce-usda-agricultural-projections/oce131.aspx
 - National (yes), regional (yes/no) as variation persist

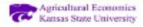


As of: 3/6/14'









http://www.agmanager.info/livestock/marketing/graphs/cattle/prices/default.asp



Economic Outlook Overview: Stockers

- Attractive Values of Gain (VOG) vs. COG
 - For those in many stocker/backgrounding areas ...
- Salina, KS 3/6/14 situation (http://www.beefbasis.com/ForecastingTools/ValueofGain/tabid/1132/Default.aspx):
 - Buy 700 lb steer on 3/10/14 (\$173.92)
 - Sell 750 lb steer on 4/07/14 (\$171.65) {1.72 ADG}
 - VOG: \$139.86/cwt
 - Buy 550 lb steer on 9/17/14 (\$189.66)
 - Sell 750 lb steer on 12/24/14 (\$169.44) {2.02 ADG}
 - VOG: \$113.85/cwt



Economic Outlook Overview: Feedlots

Significant recent improvements in closeouts

Excess capacity concerns persist



Historical and Projected Kansas Feedlot Net Returns (as of 3/3/14)

(http://www.agmanager.info/livestock/marketing/outlook/newsletters/FinishingReturns

January 14': +\$127/steer

Apr LC: 3/4: \$142.90

2/1: \$139.50

1/1: \$135.50

Brazkovan

Brookovon

Table 1. Projected Values for Finishing Steers in Kansas Feedyards*

Clocoout

Closeout	Net Return	FCOG**	Fed Price	Feeder Price	breakeven	breakeven	breakeven
Mo-Yr	Net Netuill	rcod	reu Fiice	reedel Filce	FCOG**	Fed Price	Feeder Price
Feb-14	169.75	98.59	146.41	155.13	129.32	133.83	176.42
Mar-14	109.75	95.31	142.91	158.38	115.34	134.77	172.09
Apr-14	-42.50	92.00	134.56	163.29	83.65	137.78	158.04
May-14	18.39	89.45	137.47	164.10	92.92	136.07	166.44
Jun-14	-19.39	85.92	132.85	165.07	82.48	134.26	162.65
Jul-14	-24.96	83.87	130.31	165.87	79.71	132.12	162.67

Representative Barometer for Trends in Profitability



Brookovon

Quarterly Forecasts (LMIC: 3/5/14)

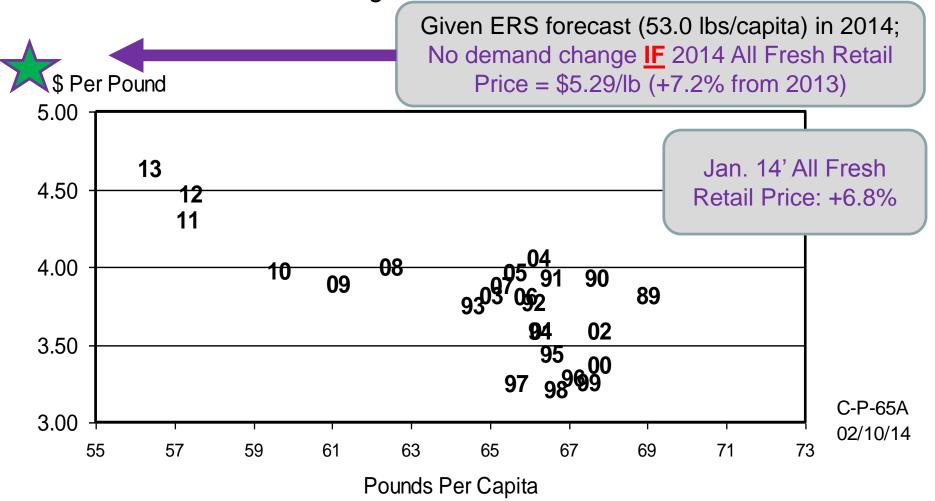
		% Chg.	Average	% Chg.	Comm'l	% Chg.
Year	Comm'l	from	Dressed	from	Beef	from
Quarter	Slaughter	Year Ago	Weight	Year Ago	Production	Year Ago
2013						
I	7,779	-3.1	793.4	1.4	6,172	-1.7
II	8,325	0.2	782.8	0.5	6,517	0.7
III	8,322	-0.1	794.1	0.5	6,609	0.4
IV	8,033	-3.0	799.2	0.7	6,420	-2.3
Year	32,459	-1.5	792.3	0.8	25,718	-0.8
2014						
l	7,341	-5.6	795.0	0.2	5,836	-5.4
I	7,719	-7.3	785.9	0.4	6,066	-6.9
III	7,743	-7.0	798.8	0.6	6,185	-6.4
IV	7,530	-6.3	802.3	0.4	6,041	-5.9
Year	30,333	-6.5	795.4	0.4	24,128	-6.2
2015						
I	7,022	-4.3	799.9	0.6	5,617	-3.8
II	7,373	-4.5	792.1	0.8	5,840	-3.7
III	7,457	-3.7	806.1	0.9	6,011	-2.8
IV	7,378	-2.0	805.9	0.5	5,946	-1.6
Year	29,230	-3.6	801.0	0.7	23,414	-3.0

Quarterly Forecasts (LMIC: 3/5/14)

	Live Sltr.	% Chg.	Feeder Steer Price		
Year	Steer Price	from	Southern Plains		
Quarter	5-Mkt Avg	Year Ago	7-800#	5-600#	
2013					
I	125.51	0.2	142.41	170.13	
II	124.95	3.3	137.34	159.71	
III	122.30	2.2	155.95	171.19	
IV	130.77	4.2	167.04	187.56	
Year	125.88	2.5	150.69	172.15	
2014					
	144-145	15.1	170-171	206-208	
II	140-142	12.8	171-174	210-214	
III	136-139	12.4	174-178	203-208	
IV	139-143	7.8	170-175	199-205	
Year	140-142	12.0	170-176	203-210	
2015					
	142-147	0.0	172-178	205-212	
II	143-149	3.5	174-181	211-219	
III	139-146	3.6	176-184	204-214	
IV	141-149	2.8	172-182	198-210	
Year	142-147	2.5	174-181	203-215	

BEEF PRICE-QUANTITY RELATIONSHIP

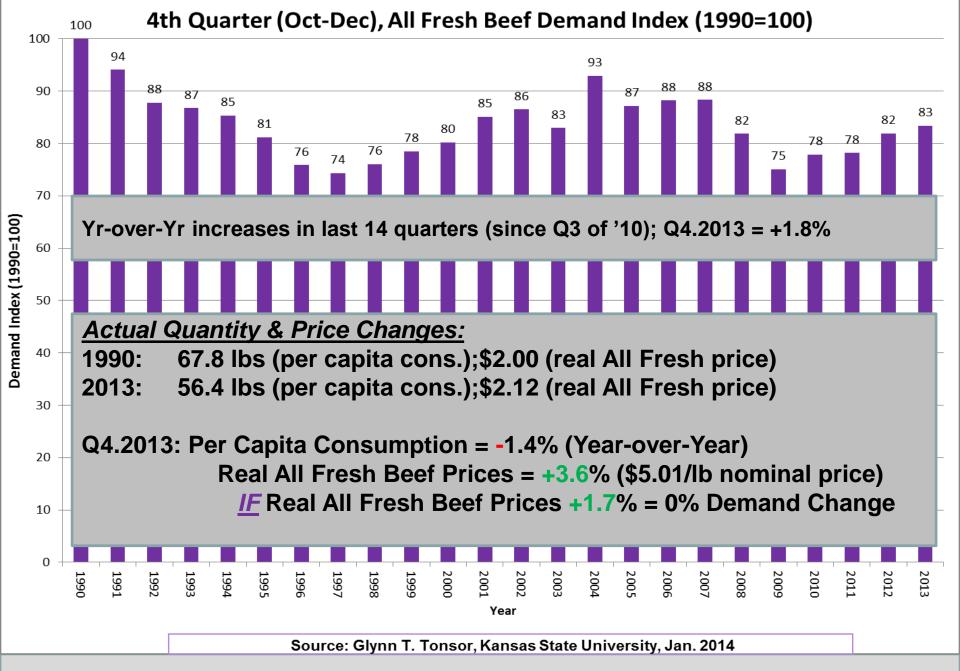
Annual, Retail Weight, Deflated All Fresh Retail Price



Livestock Marketing Information Center

Data Source: Bureau of Economic Analysis & USDA-ERS, Compiled & Analysis by LMIC







Phil Frigon Photography

Beef Production in an Era of Technology Challenges

What was once fringe characters..... O OF all antibiotics are used on Factory Farm animals Source: EcoNews Get me off

Beef Production in an Era of Technology Challenges

has become mainstream

REUTERS

"Special Report: Lost hooves, dead cattle before

THE WALL STREET JOURNAL.

FDA Moves to Cut Use of Antibiotics in Food-Producing Livestock Agency Says Goal is to Reduce Outbreaks of Drug-Resistant Bacteria Dec 2013

Antibiotic Use on Farm Animals to Be Phased Out in U.S. Dec, 2013

Beef Production in an Era of Technology Challenges

....industry responds



Pound for pound, humans and their pets use 10 times the amount of antibiotics than what is used in food animal production.





SOURCE: http://www.ahi.org/Files/Resources/AHI%20Antibiotics%20Brochure%20FINAL.pdf

Dhil Frigan Dhatagraphy

Why use antibiotics in beef production?







Advantages of these Technologies

- Healthier cattle
- Enhanced gain efficiency
- Economies of scale lots of animals together
- Co-mingle cattle & realize fewer health problems
- Operate not knowing cattle background
- Animals can endure greater stress
- Can substitute management with drugs

Result

Lower overall production risk and cost



Drawbacks

- Can lose efficacy of some drugs
- Use of some can affect meat quality
- Consumers raising concerns
- Regulatory & Policy Agents raising concerns

Result

- Increased scrutiny & regulation
- You will have greater accountability



Nature of Concerns has Expanded

- Food safety perceptions
- Product quality and nutritional concerns
- Animal welfare concerns
- Environmental concerns
- Antibiotic resistance super bugs
- Resistance impacts on human health



Before we dismiss this as simply idiocracy...

Supply \rightarrow "Science tells us if we <u>can</u> do something. Demand \rightarrow Society tells us if we <u>should</u> do it."

The Center For Food Integrity (@foodintegrity) tweet Sep 04, 2013



What Can you do? Some facts:

- Consumers trust USDA, FDA, AMA (OSU FooDS survey)
- But, no room for industry mess ups (e.g., social media, mainstream press)

If industry does not increase self-regulationsomeone else will regulate you

This is the <u>threat</u>, but it represents a sizeable <u>opportunity</u>



Self Regulation, an Opportunity? Commitment to assuring trust:

- Develop and adopt industry standards
 - Written operating procedures around technology
 - Certifications, Audits, Traceability, Increase Information
- Defensiveness does not work, listen and address concerns
- Scientific and economic jargon does not engender trust, performance does
- Demonstrate to the world your sincere commitment and actions – promote it!



In everything you do producing beef, ask yourself "what do they think about this?"





More information available at:



This presentation will be available in PDF format at:

http://www.agmanager.info/about/contributors/individual/ tonsor.asp

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