# BEEF-CATTLE OUTLOOK & FEEDER CATTLE PRICE RISK MANAGEMENT

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#### **Quarterly Forecasts** (LMIC: 12/9/20)

		% Chg.	Average	% Chg.	Comm'l	% Chg.
Year	Comm'l	from	Dressed	from	Beef	from
Quarter	Slaughter	Year Ago	Weight	Year Ago	Production	Year Ago
2020						
I	8,399	5.9	825.0	2.1	6,929	8.0
II	7,393	-13.8	818.9	3.0	6,054	-11.2
III	8,535	-0.1	833.0	2.8	7,110	2.7
IV	8,451	-0.6	836.6	1.6	7,071	1.0
Year	32,779	-2.3	828.7	2.4	27,164	0.0
2021						
ı	8,223	-2.1	827.8	0.3	6,807	-1.8
II	8,071	9.2	807.6	-1.4	6,518	7.7
III	8,247	-3.4	821.7	-1.4	6,777	-4.7
IV	8,115	-4.0	835.9	-0.1	6,783	-4.1
Year	32,656	-0.4	823.3	-0.7	26,885	-1.0
2022						
1	8,130	-1.1	832.3	0.5	6,767	-0.6
II	7,947	-1.5	810.1	0.3	6,438	-1.2
III	8,042	-2.5	826.3	0.6	6,645	-1.9
IV	7,918	-2.4	840.7	0.6	6,656	-1.9
Year	32,037	-1.9	827.4	0.5	26,506	-1.4

2020 Per Capita Consumption: +0.9%!

Q1: +5.5%

Q2: -8.3%

Q3: +6.8%

Q4: -0.2%

Trade continues
smoothing role:
(compare Domestic
Production & Domestic
PC Cons by quarter)

#### Also see:

https://www.agmanager.info/livestock-meat/marketing-extension-bulletins/trade-and-demand/overview-us-beef-production-export

**Data Source:** Livestock Marketing Information Center

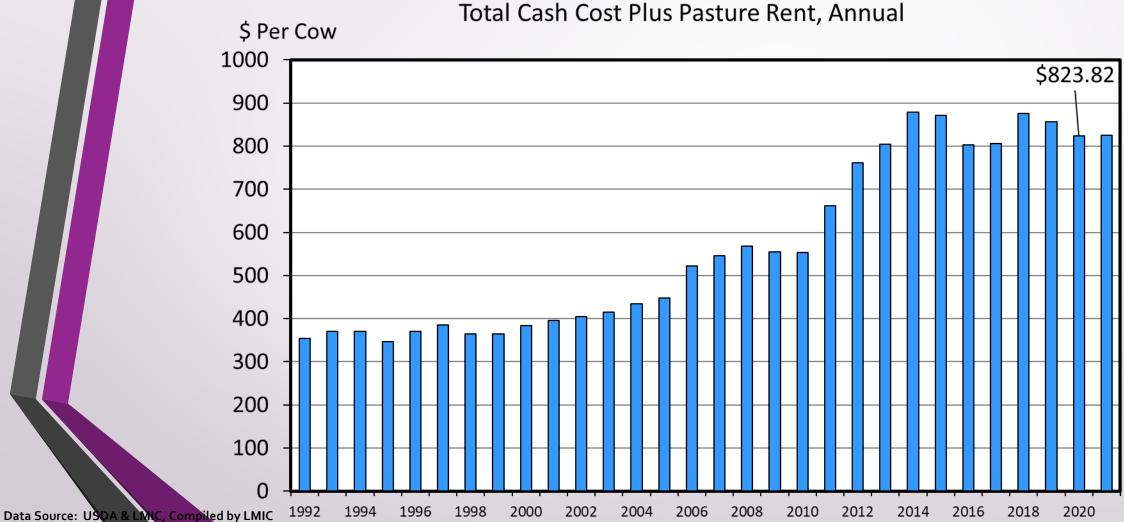
### **Quarterly Forecasts: Cattle (LMIC: 12/9/20)**

	Live Sltr.	% Chg.	Feeder Steer Price		
Year	<b>Steer Price</b>	from	Southern	Plains	
Quarter	5-Mkt Avg	Year Ago	7-800#	5-600#	
2020					
I	118.32	-5.5	138.90	166.38	
II	105.79	-10.9	129.45	152.55	
III	102	-3.4	142	157	
IV	108-109	-5.6	138-140	152-154	
Year	108-110	-6.7	137-140	156-158	
2021					
I	111-116	-4.1	136-139	156-159	
II	114-120	10.6	138-142	163-167	
III	111-118	12.5	145-155	162-172	
IV	115-123	9.7	149-159	164-174	
Year	114-119	6.9	144-147	163-167	
2022					
I	115-125	5.7	144-154	167-177	
II	120-130	6.8	147-157	169-179	
III	118-128	7.4	154-164	171-181	
IV	122-132	6.7	156-166	174-184	
Year	119-129	6.4	150-160	170-180	

**Data Source:** Livestock Marketing Information Center

### One needs to know costs for context on output prices...

#### **ESTIMATED AVERAGE COW CALF COSTS**

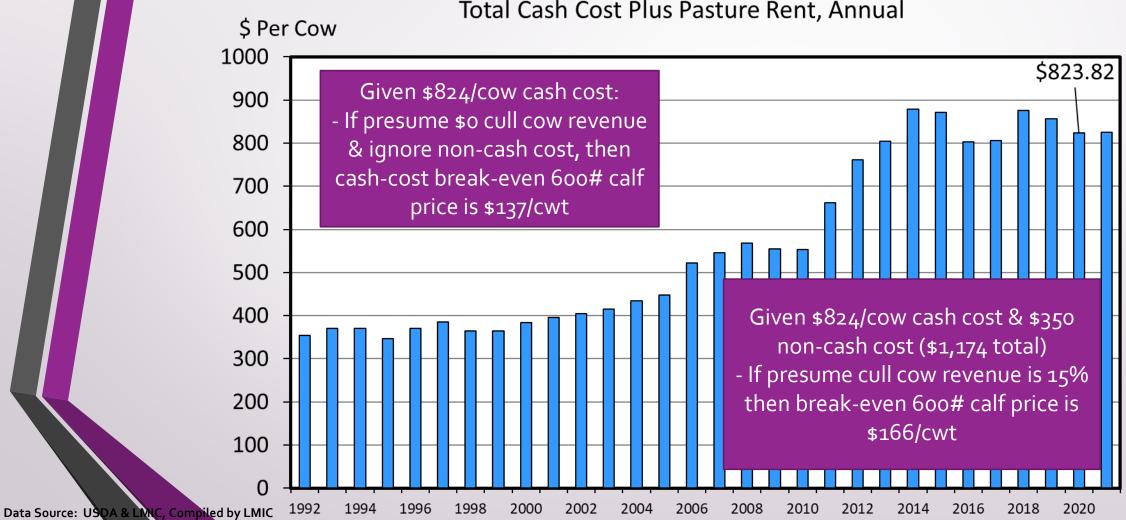


**Livestock Marketing Information Center** 

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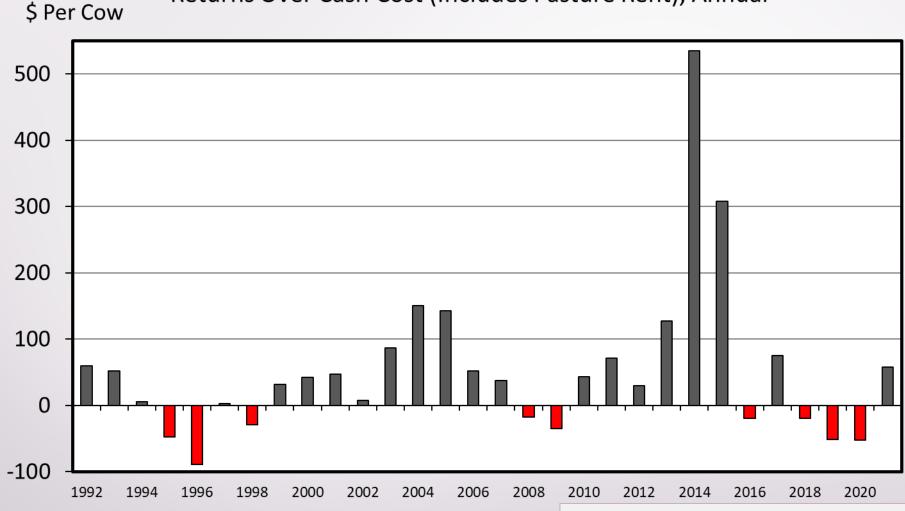
#### ESTIMATED AVERAGE COW CALF COSTS

Total Cash Cost Plus Pasture Rent, Annual



#### **ESTIMATED AVERAGE COW CALF RETURNS**

Returns Over Cash Cost (Includes Pasture Rent), Annual



Data Source: USDA & LMIC, Compiled by LMIC

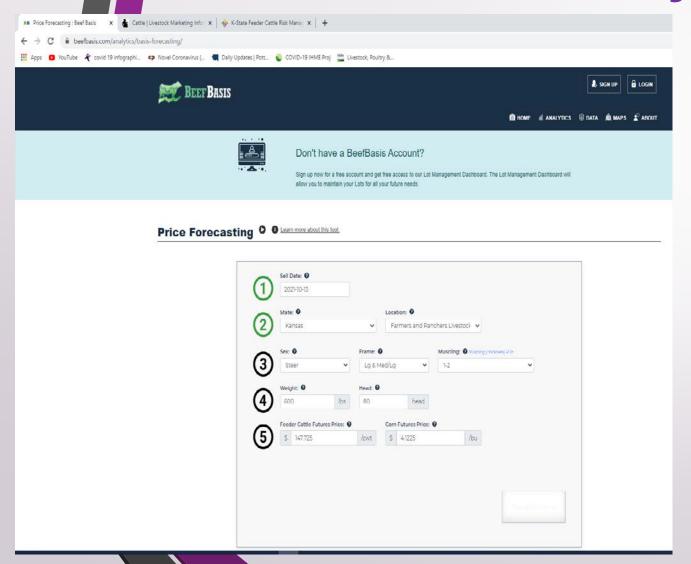
**Livestock Marketing Information Center** 

2019: -\$51

2020: -\$53 (W/O <u>CFAP</u> \$)

2021:+\$57

# Want Feeder Cattle Price, Basis, & VOG Projections? <u>Use BeefBasis.com</u>

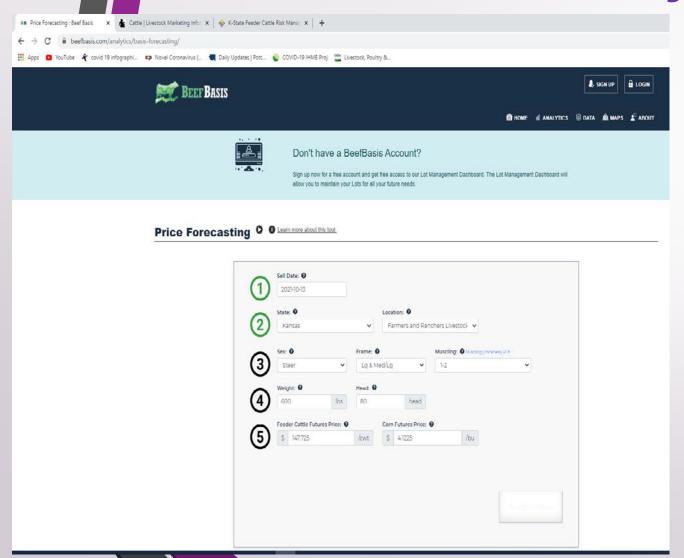


Salina Market, as of 12/13

10/13/2021 Sell @ Weaning @ 600 lbs

- Expected Cash Price: \$160.82/cwt
  - Expected Basis: \$13.09/cwt
  - CME OCT Contract: \$147.73/cwt

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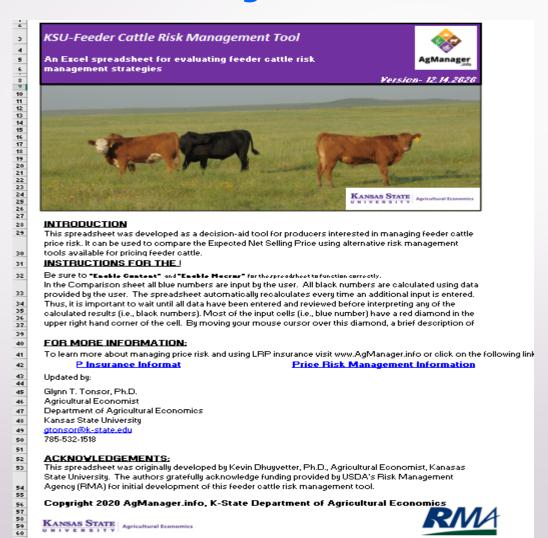
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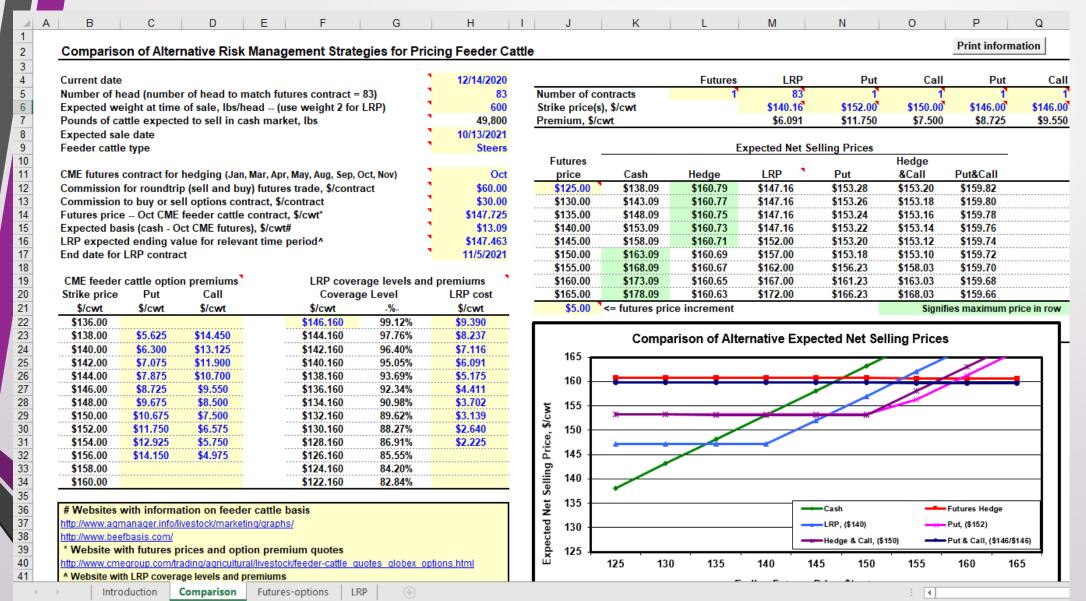
Q: How Can We Compare Sales
Price Risk Management
Alternatives?

A: use AgManager.info

# **KSU-Feeder Cattle Risk Management Tool**

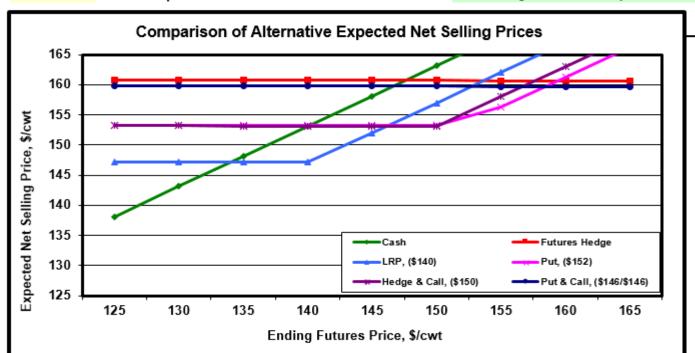
https://www.agmanager.info/k-state-feeder-cattle-riskmanagement-tool





- Case of 83 hd @ 600 lbs =
  - Compare alternatives:
    - a) 83 hd on LRP, b) 1 FC Futures Contract (+/- 83 hd per contract), c) 1 FC Options Contract or d) Cash
  - OCT FC: \$147.73 & Exp. Basis: +\$13.09 = Exp. Cash: \$160.82
  - LRP Coverage Price: \$140 & Premium: \$6.09
  - OCT Put Option @ \$152: \$11.75 premium

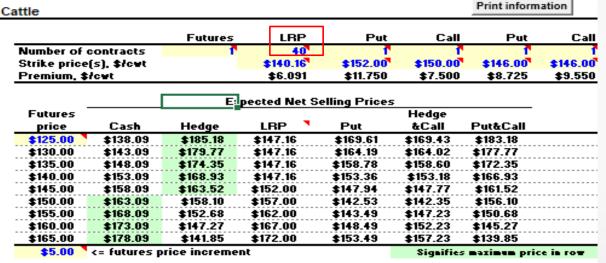
	Expected Net Selling Prices					
Futures	Ck	Under	LDD 3	Hedge		D. 48 C - II
price	Cash	Hedge	LRP `	Put	&Call	Put&Call
\$125.00	\$138.09	<b>\$1</b> 60.79	\$147.16	<b>\$153.28</b>	<b>\$153.20</b>	\$159.82
\$130.00	\$143.09	\$160.77	\$147.16	\$153.26	\$153.18	\$159.80
\$135.00	\$148.09	\$160.75	\$147.16	\$153.24	\$153.16	\$159.78
\$140.00	\$153.09	\$160.73	\$147.16	\$153.22	\$153.14	\$159.76
\$145.00	\$158.09	\$160.71	\$152.00	\$153.20	\$153.12	\$159.74
\$150.00	\$163.09	\$160.69	\$157.00	\$153.18	\$153.10	\$159.72
\$155.00	\$168.09	\$160.67	\$162.00	\$156.23	\$158.03	\$159.70
\$160.00	\$173.09	\$160.65	\$167.00	\$161.23	\$163.03	\$159.68
\$165.00	\$178.09	\$160.63	\$172.00	\$166.23	\$168.03	\$159.66
\$5.00	<= futures price increment				Signi	fies maximum price i

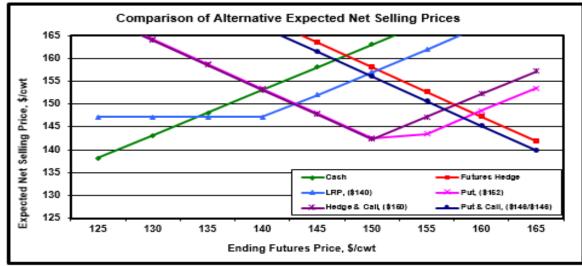


#### **Some Key Points**

- •If OCT CME>= \$150
- •\_Cash ("do nothing") nets most
- Other approaches cost as they provided "unused" price protection
  - IF OCT CME<=\$145
  - CME futures hedge nets the most
  - Order of alternatives depends on market's price decline and specific product/premium selections
- •Presumes Basis=expectations (+\$13.09)

### What if I have 40 head (+ ~1/2 of a CME contract)?





#### **Some Key Points**

•If OCT CME>= \$150

•\_Cash ("do nothing") nets most

Other approaches cost as they provided "unused" price protection

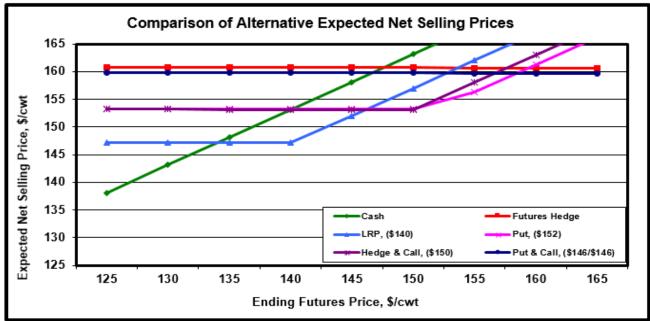
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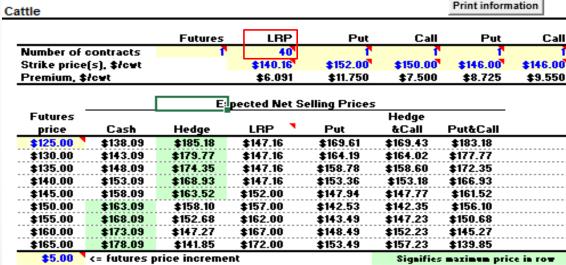
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•Presumes Basis=expectations (+\$13.09)

### Case of 83 vs 40 head – reveals some appeal of LRP









# Wintering Program & Spring Price Hedging Considerations (as of 12/13/20)

- Salina, KS 12/13/20 situation:
  - Sell 800 lb steer on 3/17/21 = \$140.18 Expected Cash Price
    - Mar CME=\$140.55 & Exp. Basis=\$-0.37

- Considering price protection on March sale?
  - USE: FeederCattleRiskMgmtTool.xlsx

### **Broad Risk Points**

- Risk is two-sided
  - KS operations who hedged feeders before March 1, 2020 avoided COVID19 market decline
  - Meanwhile, same operations may have received alternative CFAP (gov't \$) amounts
- Generally, absorbing some risk is "necessary"

# **Take-Home Summary Points**

- ► Opportunity or Threat?
  - Same risks" are often viewed differently across people
- Some risks are quantifiable, many are not
- Everyone must appreciate:
  - Risks are two-sided
  - Your own operation costs to assess which risks are "smart to accept"
  - Your comparative advantage in selecting risks to accept



#### More information available at:



This presentation will be available in PDF format at:

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

Host of additional industry resources are cross-linked as well