Beef Cattle Market Outlook & Cow-Calf Decision-Making Overview





Arnold & Geneva, NE January 19-20, 2016

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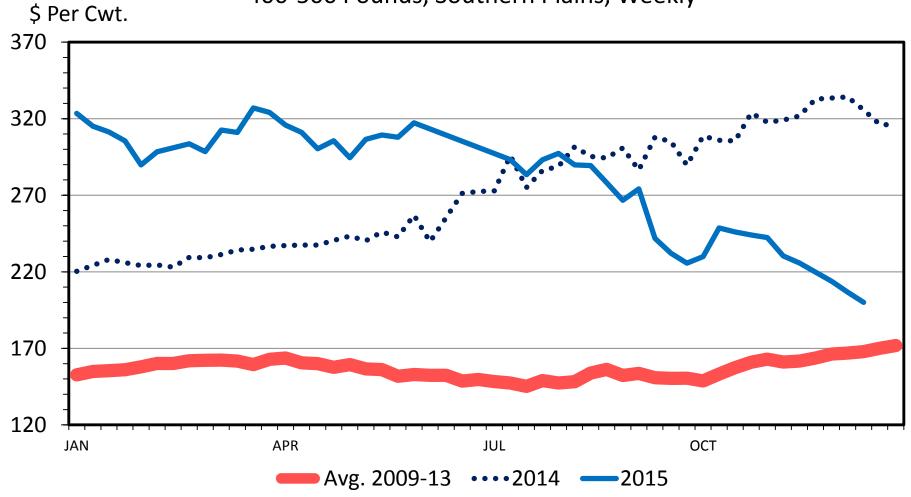
Overarching Beef Industry Economic Outlook

- Supplies
 - Historically tight
 - Herd expansion well underway

- Demand
 - Been positive 2010-2015
 - Concerns grown since ~September 2015

MED. & LRG. #1 STEER CALF PRICES

400-500 Pounds, Southern Plains, Weekly

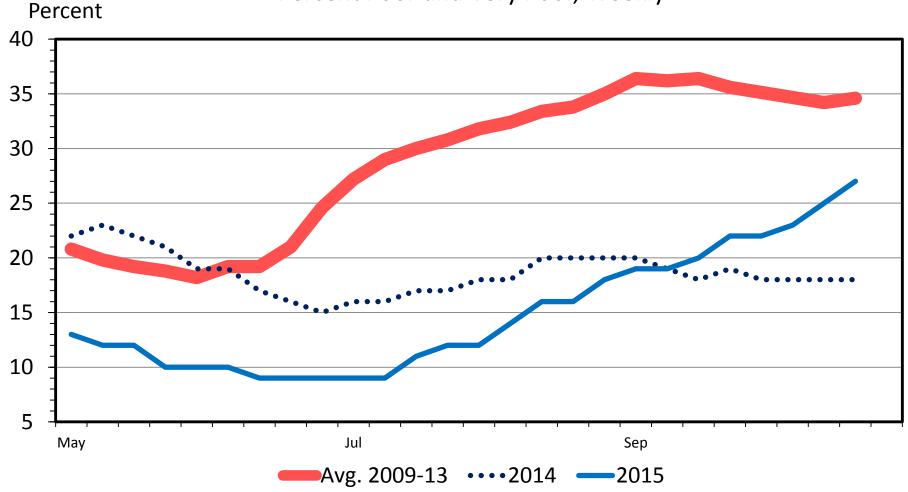


Data Source: USDA-AMS, Compiled & Analysis by LMIC Livestock Marketing Information Center

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US RANGE AND PASTURE CONDITION

Percent Poor and Very Poor, Weekly

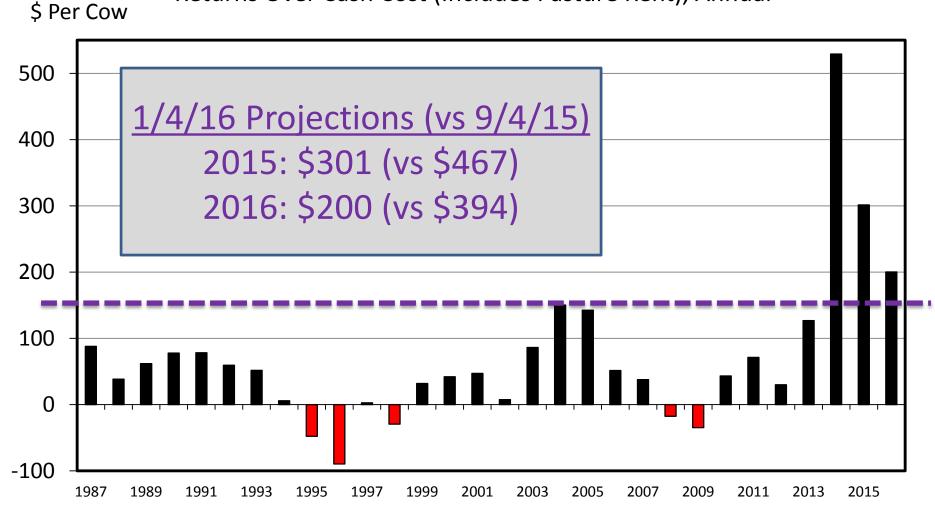


Data Source: USDA-NASS, Compiled & Analysis by LMIC Livestock Marketing Information Center

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ESTIMATED AVERAGE COW CALF RETURNS

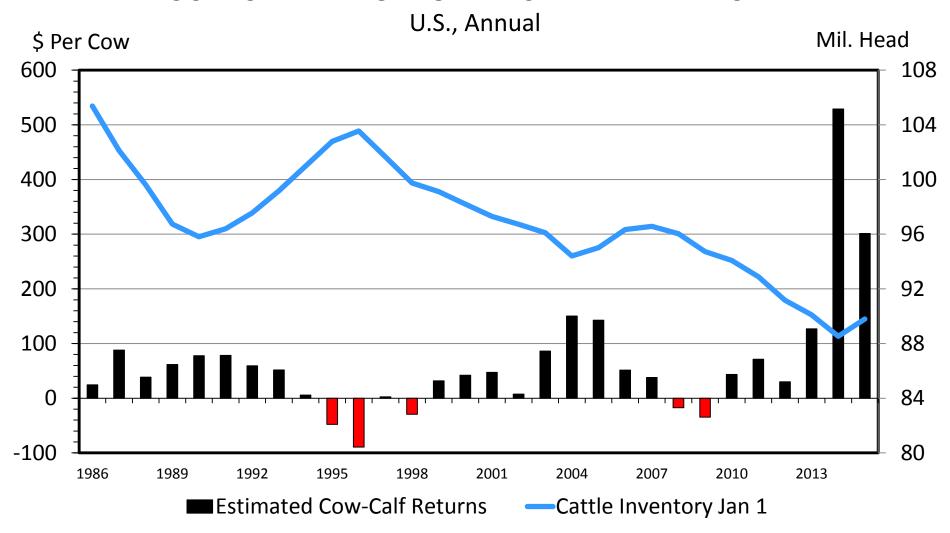
Returns Over Cash Cost (Includes Pasture Rent), Annual



Data Source: USDA & LMIC, Compiled by LMIC Livestock Marketing Information Center

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COW-CALF RETURNS AND CATTLE INVENTORY

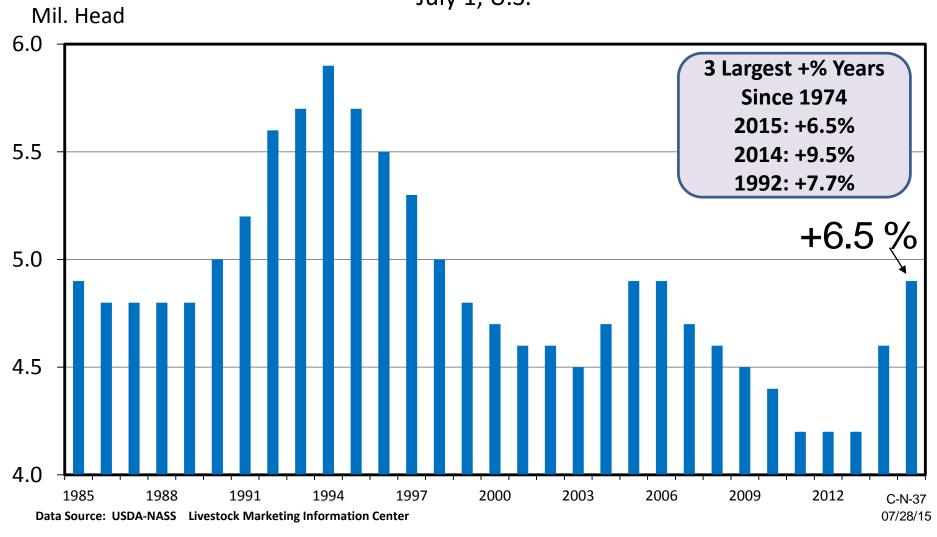


Data Source: USDA-AMS & USDA-NASS, Compiled and Analysis by LMIC Livestock Marketing Information Center

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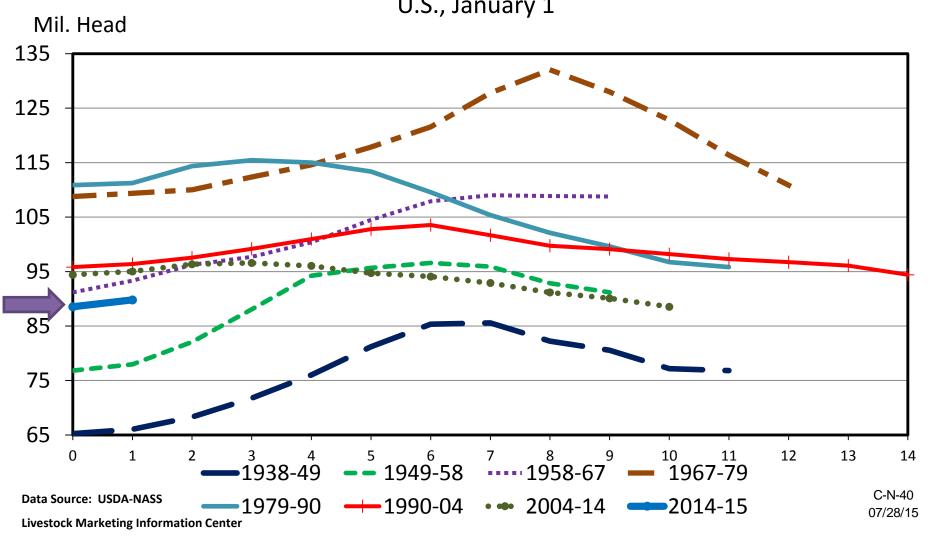
HEIFERS HELD AS BEEF COW REPLACEMENTS

July 1, U.S.



TOTAL CATTLE INVENTORY BY CYCLE

U.S., January 1



USDA Long-Term projections

Nov. 2015 pre-report release (http://www.usda.gov/oce/commodity/projections/index.htm)

| Beef long-term projections | | Recent | | Next 5 Y | ears | | | | 10 Years Out |
|------------------------------|------------|--------|--------|----------|--------|--------|--------|--------|--------------|
| ltem | Units | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2025 |
| Prices: | | | | | | | | | ! |
| Beef cattle, farm | \$/cwt | 152.83 | 149.01 | 141.58 | 136.49 | 132.89 | 130.59 | 126.55 | 121.49 |
| Calves, farm | \$/cwt | 254.58 | 271.83 | 268.86 | 222.39 | 207.48 | 198.81 | 189.92 | 183.95 |
| Steers, 5-area | \$/cwt | 154.56 | 149.19 | 141.75 | 136.65 | 133.05 | 130.75 | 126.70 | 121.63 |
| Feeder steers, Oklahoma City | \$/cwt | 202.82 | 207.12 | 205.00 | 169.57 | 158.20 | 151.59 | 144.81 | 140.26 |
| Feed price ratio: | | | | | | | | | |
| Beef cattle-corn | Ratio | 34.3 | 40.3 | 38.8 | 37.9 | 36.4 | 35.3 | 34.2 | 32.4 |
| Cattle inventory | 1,000 head | 88,526 | 89,800 | 92,900 | 95,200 | 95,700 | 96,200 | 96,600 | 97,400 |
| Beef cow inventory | 1,000 head | 29,086 | 29,675 | 30,382 | 30,800 | 31,300 | 31,800 | 32,200 | 33,200 |
| Total cow inventory | 1,000 head | 38,293 | 39,000 | 39,800 | 40,102 | 40,602 | 41,102 | 41,502 | 42,547 |
| 4 | | | | | | | | | |

Note: Cwt = hundredweight.

2025 @ 33.2 million beef cows

>+14% from 2014

➤ Would be largest herd since 2001

Feeder Cattle Price Risk Considerations: Quantitative Examples & Decision Aide Overview

Cow-Calf Output Price Hedging Considerations (as of 1/12/16)

- Kearney, NE 1/12/16 situation:
 - -Sell 800 lb yearlings on 5/9/16 (\$158.39)

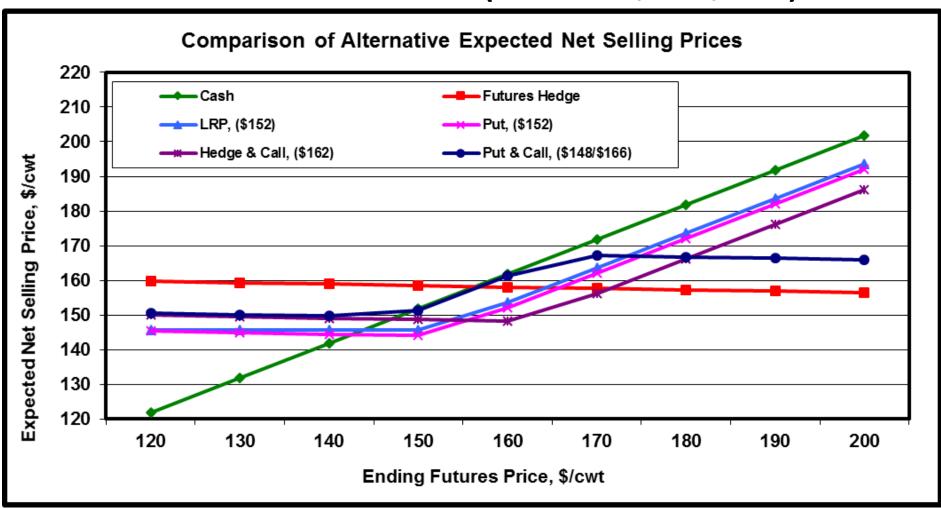
- Considering price protection on May sale
 - Or for stocker/feedlots consider for buy in May

USE: FeederCattleRiskMgmtTool.xlsx

Cow-Calf Output Price Hedging Considerations (as of 1/12/16)

- Case of 60 hd @ 800 lbs =
 - Compare alternatives:
 - a) 60 hd on LRP, b) 1 FC Futures Contract (+/- 63 hd per contract), c) 1 FC Options Contract or d) Cash
 - MAY FC: \$156.55 & Exp. Basis: \$1.84 (Exp. Cash = \$158.39)
 - LRP Coverage Price: \$152.09 & Premium: \$8.25
 - MAY Put Option @ \$152.00: \$9.30 premium

Cow-Calf Output Price Hedging Considerations (as of 1/12/16)



Key Expansion Questions of Ind. Ranches

Should I Expand My Herd?

- *IF YES*
 - -What Can/Should I Pay?
 - -Should I Raise or Buy Heifers?
 - -Should I Consider Buying Cows Instead?

Should I Expand My Herd?

Note long-term nature of decision

- Do you agree or disagree with the concept: "a bird in hand is worth two in the bush?"
- Are you comfortable with the everchanging industry environment?
- Do you have a comparative advantage?

- What Can I pay for a Replacement?
 - KSU-Beef Replacement spreadsheet
 - Two fact sheets and video tutorial also available online:
 - http://www.agmanager.info/livestock/budgets/production/default.asp

What Can I pay for a Replacement?

2025

22.0

10

559

\$137.40

\$61.71

\$164

\$25.42

\$143

\$168

\$0

\$21

0.5216

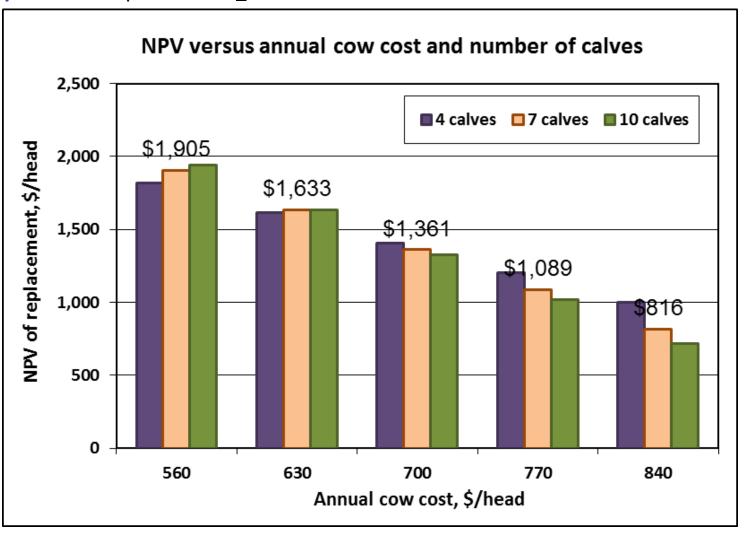
\$1,327

KSU-Beef Replacement spreadsheet_(http://www.agmanager.info/livestock/budgets/production/default.asp)

| Input Ass | sumptions | | | | | | | | | | | Print inforr | nation |
|------------|----------------|---------------|----------------|----------|--|---------|---------------|----------------|-----------------|------------|--------|--------------|---------|
| Number o | of replaceme | ents purchas | ed | | 100 | | Percent mark | ketable calve | s (1 - death lo | ss) | | 97.0% | |
| Year of pu | urchase | | | | 2016 | | Annual cow | death loss | | | | 0.5% | |
| First year | for calf sales | s | | | 2016 | | Annual cull r | ate | | | | 15.0% | |
| Cull cow v | weight, lbs/h | nd | | | 1,250 | | | | | | | | |
| Annual co | ow costs, \$/y | ear | | | 2016 Annual cow death loss 2016 Annual cull rate 1,250 \$700 Annual inflation rate on costs 1 Annual increase in average weaning weight 1 Discount rate (interest rate) Prices, \$/cwt Calf Cull Income Annual Age Cost Adj. Inc. 203.57 \$90.20 \$1,070 \$169.13 \$953 \$700 \$0 167.30 \$74.61 \$757 \$118.21 \$666 \$597 \$0 155.09 \$69.61 \$604 \$93.19 \$525 \$510 \$0 148.05 \$66.70 \$491 \$75.45 \$425 \$435 \$0 140.86 \$63.72 \$398 \$60.91 \$343 \$371 \$0 139.10 \$62.94 \$332 \$50.84 \$286 \$317 \$0 136.71 \$61.71 \$274 \$42.12 \$237 \$270 \$0 | | | | | | 1.0% | | |
| Price scer | nario to use (| (1-3) (USDA (| (As of Nov. '1 | .5)) | | | Annual incre | ase in averag | ge weaning we | eight | 0.0% | | |
| Weaning | weight scen | ario to use (| 1-3) | | 1 | | Discount rate | e (interest ra | te) | | 7.5% | | |
| Net Pres | ent Value A | Analysis | | | | | | | | | | | |
| | Cows at | | | Prices, | \$/cwt | Calf | Cull Inc | | _ | Cost | Net | Discount | |
| Year | BOY* | Calf | Calf wt | Calf | Cull | Income | Annual | | | Adj. | Income | factor | NPV** |
| 2016 | 100.0 | 1 | 542 | \$203.57 | \$90.20 | \$1,070 | \$169.13 | \$953 | \$700 | \$0 | \$539 | 1.0000 | \$1,492 |
| 2017 | 84.5 | 2 | 552 | \$167.30 | \$74.61 | \$757 | \$118.21 | \$666 | \$597 | \$0 | \$278 | 0.9302 | \$1,417 |
| 2018 | 71.4 | 3 | 562 | \$155.09 | \$69.61 | \$604 | \$93.19 | \$525 | \$510 | \$0 | \$187 | 0.8653 | \$1,414 |
| 2019 | 60.3 | 4 | 567 | \$148.05 | \$66.70 | \$491 | \$75.45 | \$425 | \$435 | \$0 | \$132 | 0.8050 | \$1,408 |
| 2020 | 51.0 | 5 | 572 | \$140.86 | \$63.72 | \$398 | \$60.91 | \$343 | \$371 | \$0 | \$88 | 0.7488 | \$1,388 |
| 2021 | 43.1 | 6 | 572 | \$139.10 | \$62.94 | \$332 | \$50.84 | \$286 | \$317 | \$0 | \$66 | 0.6966 | \$1,377 |
| 2022 | 36.4 | 7 | 567 | \$136.71 | \$61.71 | \$274 | \$42.12 | \$237 | \$270 | \$0 | \$45 | 0.6480 | \$1,361 |
| 2023 | 30.8 | 8 | 565 | \$135.30 | \$61.01 | \$228 | \$35.19 | \$198 | \$231 | \$0 | \$32 | 0.6028 | \$1,346 |
| 2024 | 26.0 | 9 | 562 | \$136.33 | \$61.36 | \$193 | \$29.90 | \$168 | \$197 | \$0 | \$26 | 0.5607 | \$1,336 |

What Can I pay for a Replacement?

KSU-Beef Replacement Spreadsheet_(http://www.agmanager.info/livestock/budgets/production/default.asp)



What Can I pay for a Replacement?

KSU-Beef Replacement spreadsheet_(http://www.agmanager.info/livestock/budgets/production/default.asp)

Table 1. Net Present Value of Beef Replacements, Sensitivity Analysis Summary*

| Number | | 10% Lower | 10% Lower | 10% Higher |
|-----------|------------------------------|---|--|--|
| of Calves | Base Case | Cow Costs/yr | Discount Rate | Calf Prices |
| 1 | \$1,492 | \$1,562 | \$1,492 | \$1,712 |
| 2 | \$1,417 | \$1,543 | \$1,423 | \$1,686 |
| 3 | \$1,414 | \$1,584 | \$1,424 | \$1,728 |
| 4 | \$1,408 | \$1,612 | \$1,421 | \$1,757 |
| 5 | \$1,388 | \$1,621 | \$1,404 | \$1,764 |
| 6 | \$1,377 | \$1,632 | \$1,394 | \$1,775 |
| 7 | \$1,361 | \$1,633 | \$1,378 | \$1,775 |
| 8 | \$1,346 | \$1,632 | \$1,364 | \$1,773 |
| 9 | \$1,336 | \$1,633 | \$1,354 | \$1,772 |
| 10 | \$1,327 | \$1,633 | \$1,345 | \$1,772 |
| | of Calves 1 2 3 4 5 6 7 8 9 | of Calves Base Case 1 \$1,492 2 \$1,417 3 \$1,414 4 \$1,408 5 \$1,388 6 \$1,377 7 \$1,361 8 \$1,346 9 \$1,336 | of Calves Base Case Cow Costs/yr 1 \$1,492 \$1,562 2 \$1,417 \$1,543 3 \$1,414 \$1,584 4 \$1,408 \$1,612 5 \$1,388 \$1,621 6 \$1,377 \$1,632 7 \$1,361 \$1,633 8 \$1,346 \$1,632 9 \$1,336 \$1,633 | of Calves Base Case Cow Costs/yr Discount Rate 1 \$1,492 \$1,562 \$1,492 2 \$1,417 \$1,543 \$1,423 3 \$1,414 \$1,584 \$1,424 4 \$1,408 \$1,612 \$1,421 5 \$1,388 \$1,621 \$1,404 6 \$1,377 \$1,632 \$1,394 7 \$1,361 \$1,633 \$1,378 8 \$1,346 \$1,632 \$1,364 9 \$1,336 \$1,633 \$1,354 |

Should I Raise Replacement Heifers?

- Most common approach to herd growth
 - 83% per 2007-08 USDA APHIS
 (http://www.aphis.usda.gov/animal_health/nahms/beefcowcalf/downloads/beef0708/Beef0708_dr_PartI_rev.pdf)
- Yes <u>if</u>:
 - It <u>truly</u> cost you less to raise than buy
 - Genetic base is acceptable already
 - Calving ease, milk prod, etc. /// also consider meat impact
 - Your environment is stressful for "imported" heifers
 - Climate, feed resources, parasites, etc. vary
 - You are concerned about open-market availability

Should I Buy Replacement Heifers?

- Yes <u>if</u>:
 - It truly cost you less to buy than raise

- You value alternative uses of \$ &/or time
- You value the reduced bull needs
- Genetic control is valued & worse than desired
- You want to grow herd faster

Hands-On Examination: Buy instead of Raise

- Likely most common situation:
 - Producer typically raises their own heifers and wants (or should) compare to buying instead.

 Use Iowa State University resource (B1-73 "Buying Heifers for Beef Cow Replacement") to identify changes in returns and costs that follow from buying rather than raising.

(http://www.extension.iastate.edu/agdm/livestock/html/b1-73.html)

Should I Buy Cows Instead of Heifers?

- Yes <u>if</u>:
 - Market encourages that

- Compare NPV of Replacements Available to Buy
 - If NPV of 4-year old cow (4 more calves?) > NPV of heifer then buy 4-year old cow

Economic Outlook Overview: Stockers

http://www.beefbasis.com/ForecastingTools/ValueofGain/tabid/1132/Default.aspx

- Lexington, NE 1/19/16 situation (SPRING 2016):
 - Buy 600 lb steer on 1/22/16 (\$184)
 - Sell 725 lb steer on 04/22/16 (\$167) {1.36 ADG}
 - VOG: \$82/cwt

• IF COG \$80/cwt THEN Exp. Profit = +/- -\$3/hd

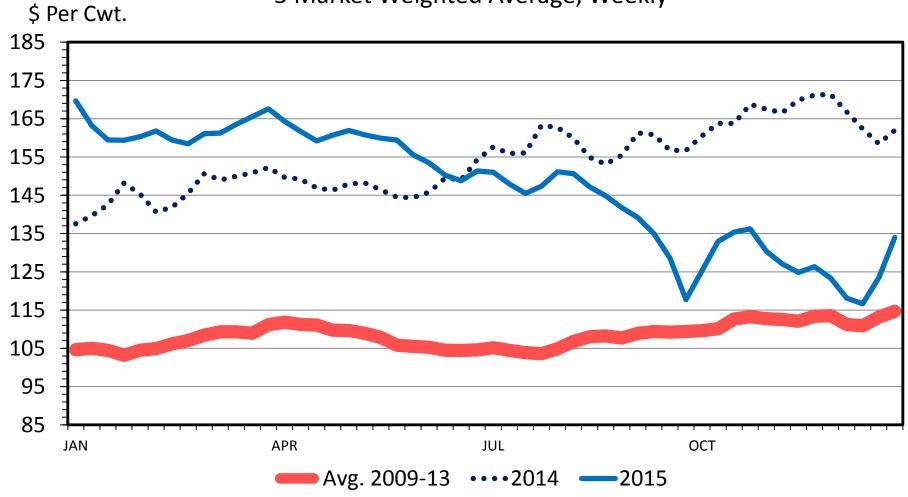
Economic Outlook Overview: Feedlots

- Poor 2015 cash returns
 - "Extra heavy" situation + demand concerns

- Structural concerns & uncertainty persist:
 - Excess capacity, Heifer Retention, Plant Closures,
 MCOOL, Cash Trade & Price Discovery...

SLAUGHTER STEER PRICES

5 Market Weighted Average, Weekly



Data Source: USDA-AMS

01/04/16

Historical and Projected Kansas Feedlot Net Returns (as of 1/8/16')

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

Historical and Projected Kansas Feedlot Net Returns (as of 1/8/16')

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

November 2015 Summary

Revenue: \$1,881/steer (1,467 lbs @ \$128.22/cwt)

Feeder Cattle Purchase: \$1,836 / steer (842 lbs @ \$218.16/cwt)

Gross Margin (Fat-Feeder): \$45/steer

Break-Even COG (625 lbs added w/ interest costs): \$0.01/lb VS

Estimated COG: \$0.81/lb

= -\$500/steer margins

Representative Barometer for Trends in Profitability

Historical and Projected Kansas Feedlot Net Returns (as of 1/8/16')

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

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

| Table 2.11 of carea values for 1 misming second in Kansas recuyards | | | | | | | | |
|---|------------|--------|-----------|--------------|---------------------|------------------------|---------------------------|--|
| Closeout Mo-Yr | Net Return | FCOG** | Fed Price | Feeder Price | Breakeven FCOG** | Breakeven Fed Price | Breakeven Feeder Price | |
| Dec-15 | -571.07 | 84.85 | 125.95 | 213.61 | -13.71 | 165.08 | 148.72 | |
| Jan-16 | -289.72 | 85.31 | 144.16 | 209.03 | 32.88 | 164.25 | 176.47 | |
| Feb-16 | -143.28 | 85.17 | 148.85 | 205.91 | 60.94 | 158.84 | 188.90 | |
| Mar-16 | -118.29 | 84.26 | 142.70 | 190.91 | 63.20 | 151.06 | 177.04 | |
| Apr-16 | -192.45 | 82.62 | 132.50 | 188.68 | 50.82 | 146.02 | 165.16 | |
| May-16 | -179.78 | 82.72 | 130.48 | 181.00 | 52.04 | 143.09 | 159.58 | |
| Jun-16 | -102.35 | 82.94 | 122.26 | 158.04 | 65.57 | 129.39 | 145.96 | |
| Jul-16 | -41.01 | 83.47 | 124.92 | 152.66 | 76.35 | 127.72 | 148.06 | |
| Aug-16 | 33.40 | 82.36 | 127.06 | 150.18 | 87.98 | 124.80 | 153.97 | |
| Sep-16 | 44.95 | 82.92 | 128.01 | 149.40 | 90.49 | 125.01 | 154.37 | |

Representative Barometer for Trends in Profitability

Quarterly Forecasts (LMIC: 1/8/16)

| | | % Chg. | Averag | e % Chg | . Comm'l | % Chg. |
|---------|-----------|----------|--------|-------------|------------|----------|
| Year | Comm'l | from | Dresse | d from | Beef | from |
| Quarter | Slaughter | Year Ago | Weigl | nt Year Ago | Production | Year Ago |
| 2015 | | | • | | | |
| I | 6,967 | -5.5 | 813 | .0 2.2 | 5,664 | -3.5 |
| II | 7,227 | -7.8 | 810 | .1 2.7 | 5,855 | -5.3 |
| III | 7,288 | -4.5 | 832 | .4 2.8 | 6,066 | -1.8 |
| IV | 7,261 | -0.9 | 841 | .3 2.4 | 6,109 | 1.5 |
| Year | 28,743 | -4.7 | 824 | .3 2.5 | 23,694 | -2.3 |
| 2016 | | | | | | |
| I | 7,113 | 2.1 | 821 | .2 1.0 | 5,841 | 3.1 |
| II | 7,332 | 1.5 | 813 | .4 0.4 | 5,964 | 1.9 |
| III | 7,624 | 4.6 | 835 | .5 0.4 | 6,370 | 5.0 |
| IV | 7,530 | 3.7 | 840 | .0 -0.2 | 6,325 | 3.5 |
| Year | 29,599 | 3.0 | 827 | .7 0.4 | 24,500 | 3.4 |
| 2017 | | | | | | |
| I | 7,430 | 4.5 | 827 | .5 0.8 | 6,148 | 5.3 |
| II | 7,638 | 4.2 | 818 | .1 0.6 | 6,249 | 4.8 |
| III | 7,823 | 2.6 | 838 | .9 0.4 | 6,563 | 3.0 |
| IV | 7,856 | 4.3 | 842 | .4 0.3 | 6,618 | 4.6 |
| Year | 30,747 | 3.9 | 831 | .9 0.5 | 25,578 | 4.4 |

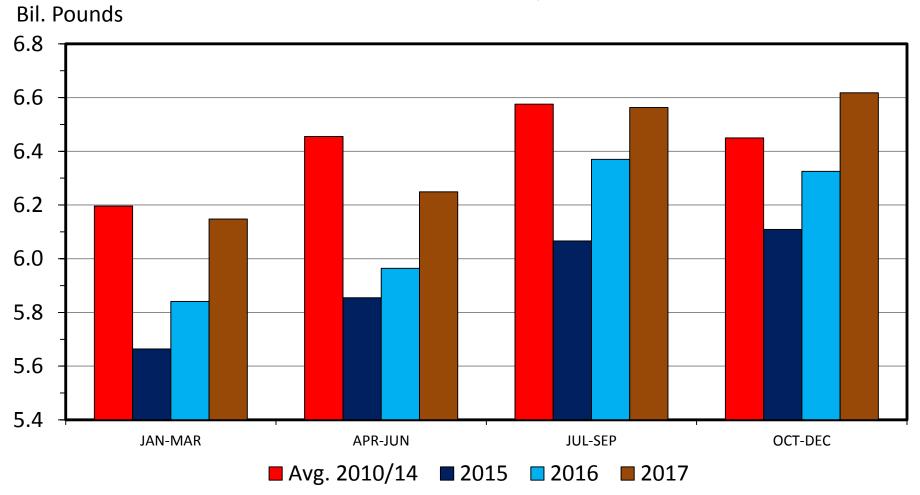
Quarterly Forecasts (LMIC: 1/8/16)

| | Live Sltr. | % Chg. | Feeder Ste | er Price |
|---------|-------------|----------|------------|----------|
| Year | Steer Price | from | Southern | Plains |
| Quarter | 5-Mkt Avg | Year Ago | 7-800# | 5-600# |
| 2015 | | | | |
| I | 162.43 | 11.0 | 215.87 | 276.14 |
| II | 158.11 | 7.0 | 225.29 | 279.32 |
| III | 144.22 | -9.0 | 214.38 | 246.04 |
| IV | 127.72 | -22.9 | 177.29 | 203.51 |
| Year | 148.12 | -4.2 | 208.21 | 251.25 |
| 2016 | | | | |
| I | 136-139 | -15.3 | 165-169 | 195-200 |
| II | 139-143 | -10.8 | 167-172 | 198-205 |
| III | 133-138 | -6.0 | 162-168 | 200-208 |
| IV | 131-137 | 4.9 | 159-166 | 191-200 |
| Year | 135-139 | -7.5 | 163-169 | 196-203 |
| 2017 | | | | |
| I | 132-139 | -1.5 | 159-167 | 194-204 |
| II | 133-141 | -2.8 | 160-169 | 196-208 |
| III | 127-136 | -3.0 | 156-166 | 189-202 |
| IV | 127-137 | -1.5 | 153-165 | 183-197 |
| Year | 131-137 | -2.2 | 159-165 | 193-200 |

Beef, Pork, & Broiler Meat Production & Trade Overview

COMMERCIAL BEEF PRODUCTION

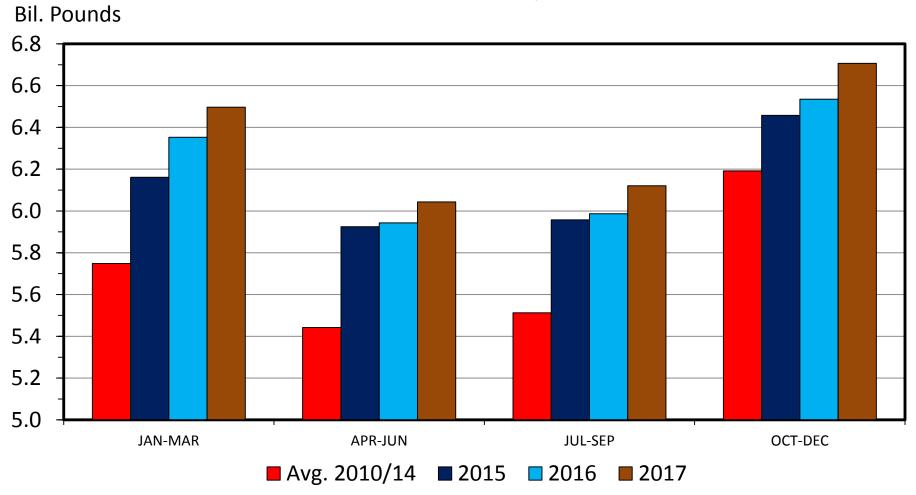
US, Quarterly



Data Source: USDA-NASS, Forecasts by LMIC

COMMERCIAL PORK PRODUCTION

US, Quarterly

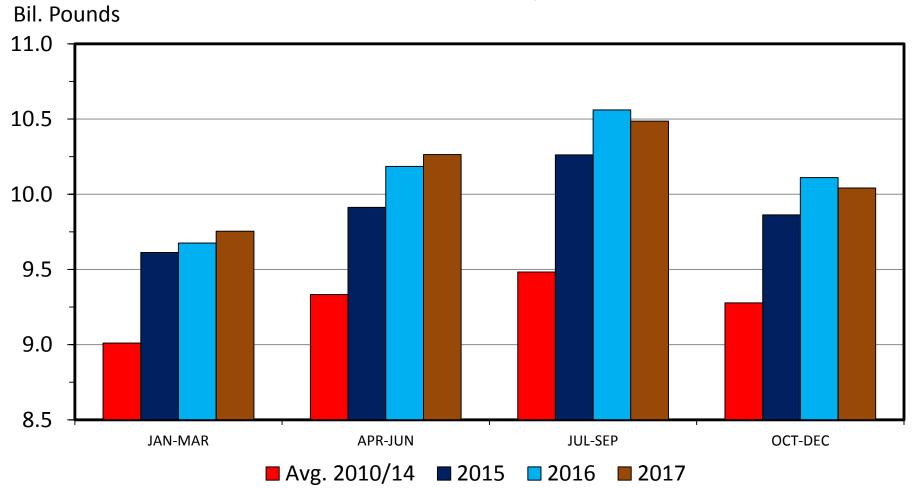


Data Source: USDA-NASS, Forecasts by LMIC

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RTC BROILER PRODUCTION

US, Quarterly

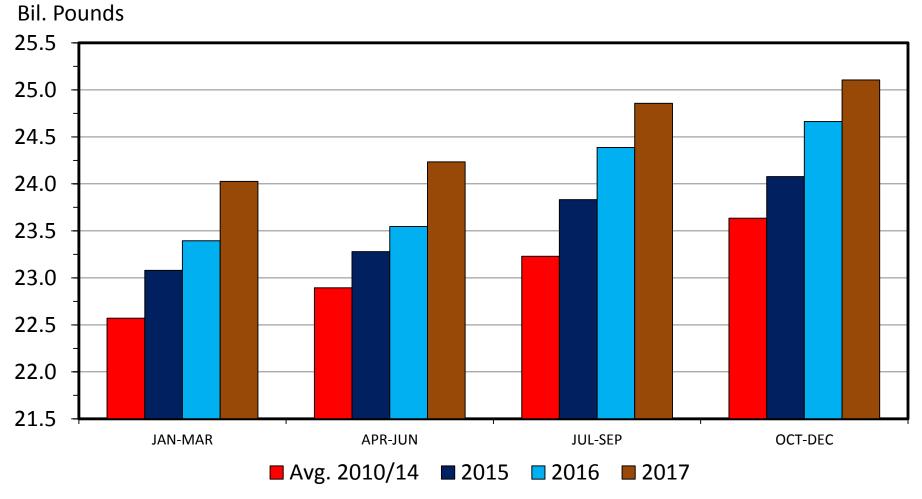


Data Source: USDA-NASS, Forecasts by LMIC

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TOTAL RED MEAT & POULTRY PRODUCTION

US, Quarterly



Data Source: USDA-NASS, Forecasts by LMIC

Livestock Marketing Information Center

USDA Long-Term projections

Nov. 2015 pre-report release (http://www.usda.gov/oce/commodity/projections/index.htm)

| Per capita meat cons., retail wt | Recent | | Next 5 Y | <mark>/ears</mark> | | | | 10 Years Out |
|----------------------------------|--------|-------|----------|--------------------|-------|--------|-------|--------------|
| | | | | | | | | |
| Item | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2025 |
| | | | | | | Pounds | | |
| Beef | 54.1 | 54.4 | 55.3 | 55.2 | 55.6 | 56.1 | 56.3 | 56.8 |
| Pork | 46.4 | 49.5 | 49.7 | 50.1 | 50.5 | 50.8 | 50.9 | 51.1 |
| Total red meat | 101.7 | 105.2 | 106.1 | 106.5 | 107.2 | 108.0 | 108.3 | 108.9 |
| Broilers | 83.3 | 89.1 | 89.6 | 89.5 | 89.8 | 90.2 | 90.7 | 91.5 |
| Turkeys | 15.7 | 15.8 | 16.2 | 16.7 | 17.0 | 17.1 | 17.2 | 17.3 |
| Total poultry | 100.3 | 106.1 | 107.1 | 107.5 | 108.1 | 108.7 | 109.3 | 110.3 |
| Red meat & poultry | 202.1 | 211.2 | 213.2 | 214.0 | 215.3 | 216.7 | 217.6 | 219.2 |

Projections INCLUDE growing export forecasts...

USDA Long-Term projections

Nov. 2015 pre-report release (http://www.usda.gov/oce/commodity/projections/index.htm)

| Beef long-term projections | | Recent | | Next 5 Y | ears | | | | 10 Years Out |
|----------------------------|-----------|--------|--------|----------|--------|--------|--------|--------|--------------|
| ltem | Units | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2025 |
| Total production | Mil. lbs. | 24,320 | 23,780 | 24,914 | 25,295 | 25,761 | 26,296 | 26,684 | 28,057 |
| Imports | Mil. lbs. | 2,947 | 3,432 | 3,045 | 2,950 | 2,975 | 3,000 | 3,050 | 3,300 |
| Total supply | Mil. lbs. | 27,851 | 27,803 | 28,559 | 28,805 | 29,296 | 29,856 | 30,294 | 31,917 |
| Exports | Mil. lbs. | 2,573 | 2,223 | 2,425 | 2,500 | 2,650 | 2,800 | 2,925 | 3.400 |
| Total consumption | Mil. lbs. | 24,687 | 24,980 | 25,574 | 25,745 | 26,086 | 26,496 | 26,809 | 27,957 |
| Per capita, retail weight | Pounds | 54.1 | 54.4 | 55.3 | 55.2 | 55.6 | 56.1 | 56.3 | 56.8 |
| Change from previous year | Percent | -3.8 | 0.5 | 1.6 | -0.1 | 0.6 | 0.9 | 0.5 | 0.0 |
| | | | | vs 2015 | | | | | |

> +53% in Volume

> 12.1% (2025) vs.9.3% (2015) of Production

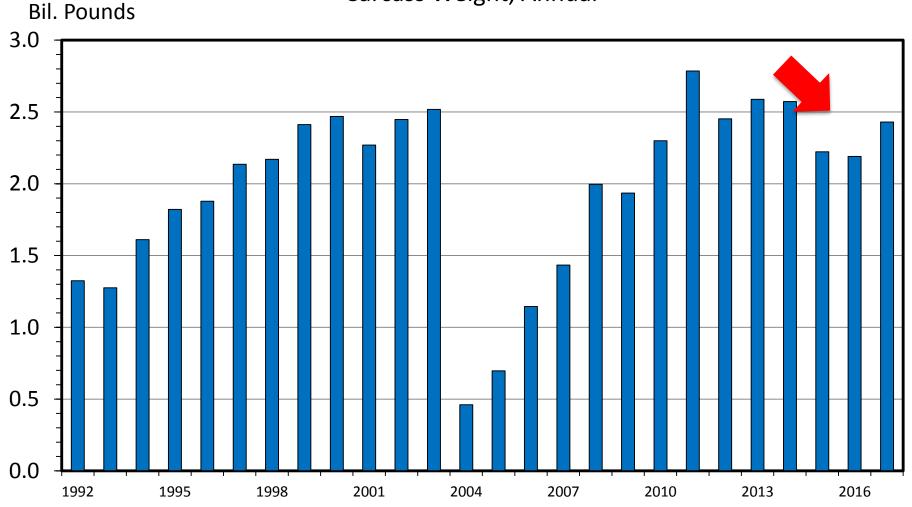
Broad "Global Factors"

- Recent adverse developments:
 - Geo-political risks
 - Global GDP forecast reductions
 - U.S. Dollar strength = pressure on U.S. exports

- Longer-term positive aspects:
 - Global population & income growth
 - U.S. maintains multiple comparative advantages

US BEEF AND VEAL EXPORTS

Carcass Weight, Annual

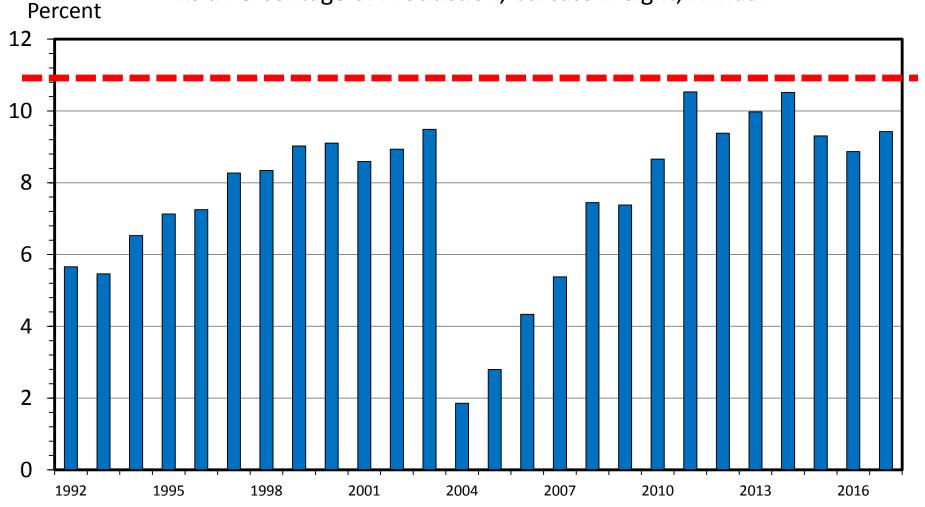


Data Source: USDA-ERS & USDA-FAS, Compiled & Analysis by LMIC

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US BEEF AND VEAL EXPORTS

As a Percentage of Production, Carcass Weight, Annual

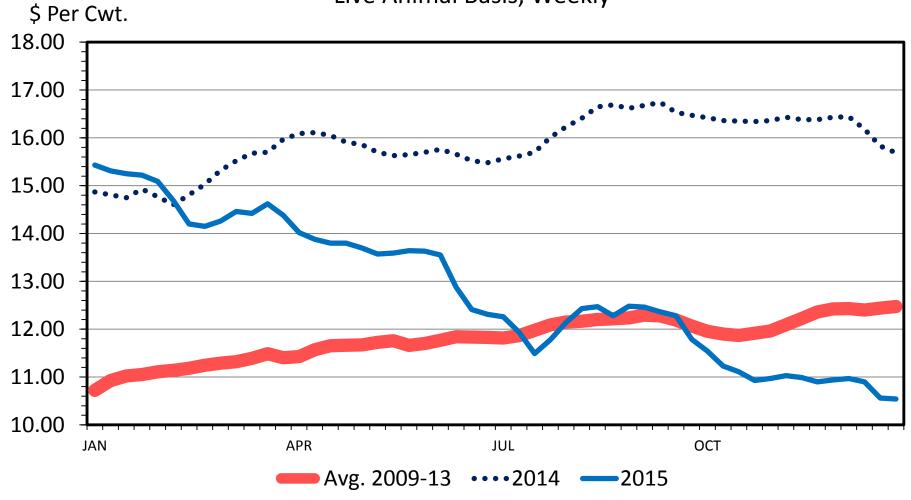


Data Source: USDA-ERS & USDA-FAS, Compiled & Analysis by LMIC Livestock Marketing Information Center

I-N-07 01/04/16

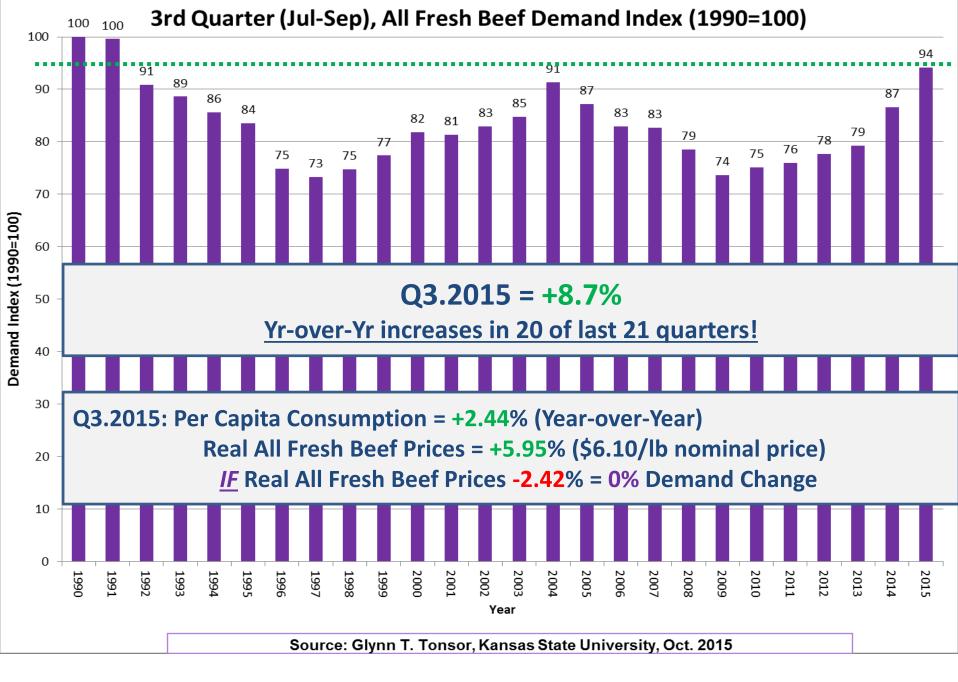
STEER HIDE AND OFFAL VALUE

Live Animal Basis, Weekly



Data Source: USDA-AMS
Livestock Marketing Information Center

C-P-39 01/04/16



Wrap-up Summary Thoughts

- Opportunity exists
 - Herd expansion ongoing; not uniformly...

Profitable prospects for sound management

- Ongoing demand enhancement critical for profitability...

Take-Home Summary Points

Industry at tipping point on role of tight supplies

- Demand's role will become clearer going forward
 - http://www.agmanager.info/livestock/marketing/Beef%20Demand/BeefDemand_08-28-15.pdf

 Identifying & acting upon comparative advantage will increasingly be key!

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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AgManager.info website is a comprehensive source of information, analysis, and decision-making tools for agricultural producers, agribusinesses, and others. The site serves as a clearinghouse for applied outreach information emanating from the Department of Agricultural Economics at Kansas State University. It was created by combining departmental and faculty sites as well as creating new features exclusive to the AgManager.info site. The goal of this coordination is to improve the organization of web-based material and allow greater access for agricultural producers and other clientele.



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http://www.AgManager.info/Evaluation/Email.htm



Decision Aides & Resources to Note

K-State

- KSU-Beef Replacements (Excel tool & Video tutorial) http://www.agmanager.info/Tools/default.asp#LIVESTOCK
- Factsheets: Replacement NPV Regional Analysis & Sensitivity http://www.agmanager.info/livestock/budgets/production/default.asp
- MF2566 Raising Beef Replacement Heifers http://www.ksre.ksu.edu/bookstore/pubs/mf2566.pdf
- Updated projections, charts, etc.:
 http://www.agmanager.info/about/contributors/Presentations/Tonsor/presentations.asp
- Iowa State (Schulz and Gunn, Jan. 2014)
 - B1-73: Buying Heifers & Raising Heifers for Replacements http://www.extension.iastate.edu/agdm/livestock/html/b1-73.html
- Univ. of Nebraska-Lincoln
 - http://www.extension.umn.edu/agriculture/beef/components/homestudy/replesson6.pdf