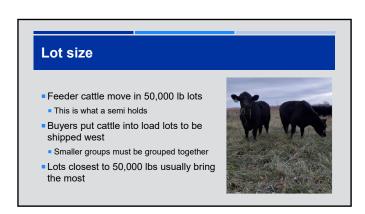
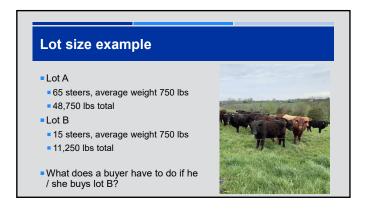
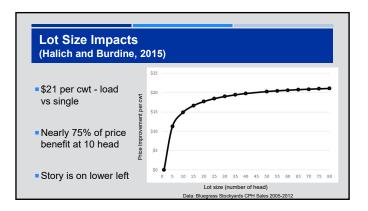




# Overview of Discussion The power of lot size Shrink – actual and pencil Price slides Importance of know the market and cattle weights







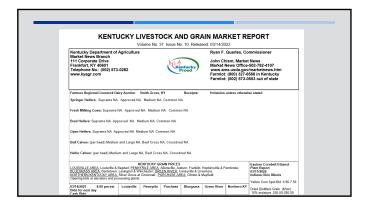
# **Use Lot Size to Your Advantage**

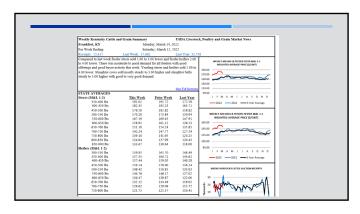
- Smaller groups can be a good buy
- Value is added through grouping
- Commission savings can exceed 50%

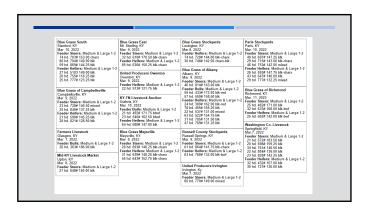


### **Price Discovery – Market Valuation**

- Easy to take for granted
- Auction markets / internet sales
- Private treaty sales less common
- Price discovery more of a challenge
- Futures market, AMS reports, KY Livestock and Grain Market Report
- Price can be based on negotiation or formula









### What is shrink?

- Shrink = weight loss during transport
- Cattle will weigh less after transport to sale / weigh location
- Farm to stockyards, farm to certified scales
- This refers to "actual" shrink



# What is a "pencil shrink"?

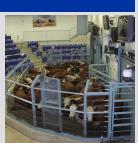
- Artificial weight reduction to account for transit weight loss
- Common when cattle are weighed on farm
- 2% is common, more in unique situations
- Not typical if cattle are hauled and weighed on ground
- Commonly used in internet and private treaty sales
- Will specify shrink and weighing process
- Much of this will be reflected in price

# 65 Head - 750 lb steers

- Buyer 1 bids you \$140 on farm weight (no shrink) and picks up
- 750 @ \$1.40 = \$1,050 per head / \$68,250 for load
- Buyer 2 bids you \$142 with 2% pencil shrink and picks up
- 735 @ \$1.42 = \$1,043.70 per head / \$67,840.50 for load
- Buyer 3 bids you \$146 you haul 100 miles to weigh station
- Ex: Cattle shrink 4% and it costs \$4.50 per loaded mile for haul
- 720 @ \$1.46 = \$1,051.00 per head / \$68,328 for load, minus \$450 for transportation = \$67,878 net for load

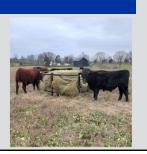
# **Dealing with Weight Uncertainties**

- Weight often not known until sale
- Private treaty, internet sales, forward contracts
- Price per lb heavily impacted by sale weight
- Price per lb decreases as cattle get heavier
- Process needed to adjust price based on sale weight



# What is a price slide?

- Price adjustment for weight differences
- Base weight and price established
- ■750 lb base weight @ \$146 per cwt
- Price reduced for cattle delivered above base weight



### **Common Specifications**

- Slide per cwt.
- Adjustment to price per 100 lbs, ie: \$4 per cwt or \$0.04 cents per lb
- Un only
- Price is only adjusted downward for heavier weights
- Slide increases after so many lbs
- \$.04 per lb on first 50 lbs, \$.06 for over 50 lbs. as an example
- retroactive

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### Video/Internet Sales Sample Description

- 65 Mixed Heifers 40% Black / 60% Charx- (4 tip horns)
- Base Weight 780 +/-100 lbs (slide up only .04 Cents)
- Bought Dec 2010 Lutalyse 30 days later
- SelectVac Progam- dewormed Dec-Mar-June
- Hand fed 2 lbs of distillers with minerals every other day. Medium & large
   1-2. Flesh is medium
- Gathered early 70 mile haul weighed on ground straight after all cattle arrive
- Delivery dates August 9th, 10th, or 12th

### What if these cattle weigh 810 lbs?

- Assume sale for \$140 per cwt with 780 lb base weight
- 780 lbs @ \$140 per cwt = \$1,092
- However, their weight ends up being 810#
- 30 lbs above the base weight
- Price is adjusted downward by \$0.04 for every lb over
- ■30 \* \$0.04 = \$1.20 per cwt
- New price = \$140 \$1.20 = \$138.80
- 810 lbs @ \$138.80 per cwt = \$1,124.28

### Do you want to avoid price slide discounts?

- Seldom large enough to see per head values drop
- Often means cattle gained better than expected
- Usually slide is less severe than market discount
- "Fairest" slide matches markets discount for weight
- Example: 700 lb steers @ \$142, 750 lb steers @ \$139, market discount is \$6 per cwt for 100 lbs
- No incentive to under (or over) estimate weight

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### Pricing slide vs market slide

- Pricing slide = market slide no incentive either way
- Pricing slide < market slide incentive to underestimate weight and deliver heavier cattle
- Pricing slide > market slide incentive for weight to match base weight
  - Or overestimate weight if slide works in both directions

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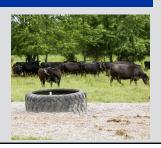
### A Quick Example

- Cattle priced at \$130 per cwt
- 800 lb base weight and \$4 per cwt slide
- Market discount is \$6 per cwt
- Cattle arrive at 850 lbs
- 850 lbs @ \$128 = \$1,088
- Same cattle on market850 lbs @ \$127 = \$1,079.50
- Seller did better with the slide



### **Another Approach to Weight Uncertainty**

- Seller offers 550 lb steer calves \$1.35/lb
- \$1.35 firm but lbs over 575 "free to buyer"
- Price is set at \$1.35, but max weight is 575
- How would this work in practice?



# Let's look at some actual weights...

- 550 lb x \$1.35 = \$743
- 575 lb x \$1.35 = \$776.25
- ■600 lb, cost is still \$776.25
- About \$1.29 per lb
- What is optimal weight for seller?



# **Importance of Knowing Weight**

- When selling direct, know weight of cattle
- Estimating weights visually is challenging
- Pay weight and base weight - two different things



# **Over-guess Example**

- Seller expects steers to weigh around 775
- Buyer looks and estimates steers to weigh 825 lbs
- ■825 lb steers are selling for around \$135
- Buyer and seller agree on \$135 with no price slide
- Steers end up weighing 750 lbs
- Who got the better deal?

# Steer / heifer example - think calves

- Seller prices steer calves that weigh 550 lbs on average
- Buyer and seller agree to price of \$150 per cwt
- The buyer offers \$135 for the heifers in the same cohort
- 550 lb steer / heifer differential is \$15, so seller agrees
- Is this a good deal?

### Final Thoughts...

- Use lot size to your advantage
- Buying and selling
- Fully consider shrink
- Transportation costs
- Understand price slides
- Market and pricing
- Study the markets



