University of Kentucky College of Agriculture, Cooperative Extension Service

Kenny Burdine UK Agricultural Economics

KADF
KENTUCKY ACRICULITURAL
DEVELOPMENT FUND
Key Marketing Concepts for Margin Operations
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## Lot size

- Feeder cattle move in $50,000 \mathrm{lb}$ lots
- This is what a semi holds
- Buyers put cattle into load lots to be shipped west
- Smaller groups must be grouped together
- Lots closest to 50,000 lbs usually bring the most



## Lot size example



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



## 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



## Common Specifications

- Slide per cwt.
- Adjustment to price per 100 lbs , ie: $\$ 4$ per cwt or $\$ 0.04$ cents per lb
- Up 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 $780+/-100 \mathrm{lbs}$ (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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## 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?



## Importance of Knowing Weight

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



## 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


