Value Captured from Improved Production Practices: What's the sale data say?

Winter Ranch Management February 11, 2020 Esther McCabe

What do you already have invested?

- Nutrition of dam
- Cost for bull or Al
- Vaccinations for cowherd
- Calving



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How to capture calf value?

- Management
 - Breeds
 - Gender
 - Vaccinations
 - Castration
 - Implants
- Programs
 - Age and Source
 - Non Hormone Treated Cattle

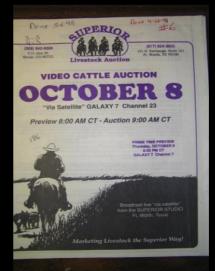
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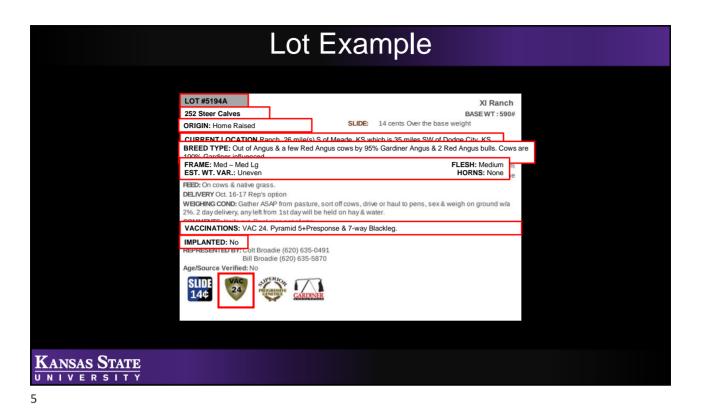
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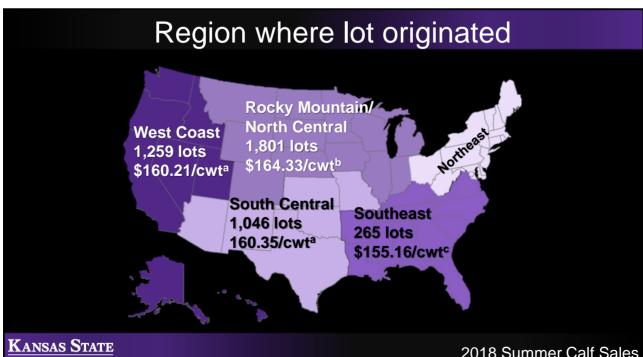


Background

- Data since 1995
- Data provided electronically starting in 2010
- Video auctions "lots" of beef calves

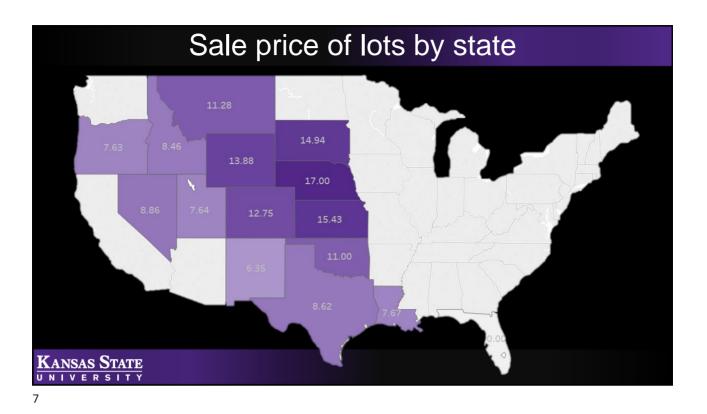






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2018 Summer Calf Sales



Non-adjusted Means, Medians, and Ranges

Factor	$\textbf{Mean} \pm \textbf{SD}$	Median	Range
Number of calves in lot	104.5 ± 70.4	88	7 to 840
Base weight of lots (lb)	569.9 ± 82.5	570	330 to 900
Number of days from auction to forecasted delivery	$\textbf{75.7} \pm \textbf{38.4}$	80	0 to 218
Price per 100 pounds (\$)	165.79 ± 15.85	164.00	113.00 to 256.00

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2018 Summer Calf Sales

Gender of the Lot			
Gender of the Lot	Number of lots	Least squares mean of sale price (\$/cwt)	Regression coefficient
Steers	2,660	168.36 ^a	16.70
Heifers	1,711	151.66 ^b	0.00
<u>ANSAS STATE</u> NIVERSITY		20)18 Summer Calf Sale

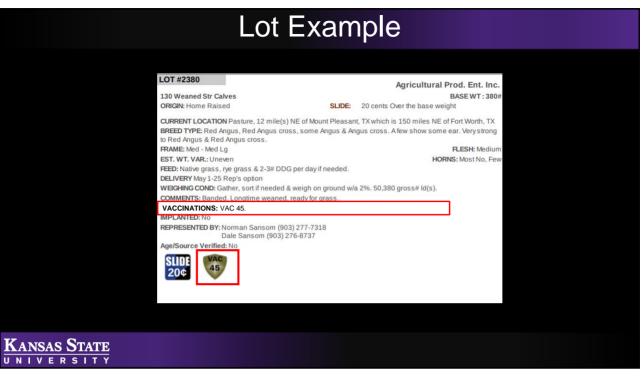
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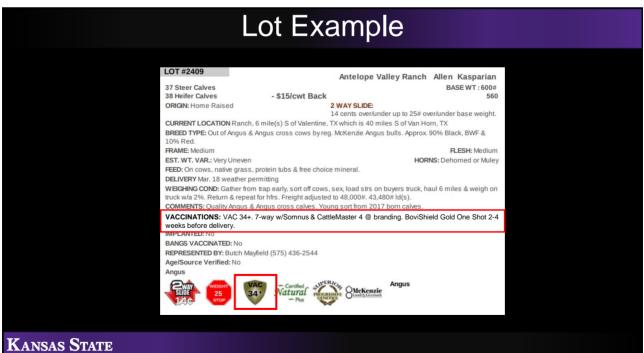
Sold in Mixed- Gender Lot	Number of lots	Least squares mean of sale price (\$/cwt)	Regression coefficient
Yes	971	157.74 ^a	-4.55
No	3,400	162.29 ^b	0.00

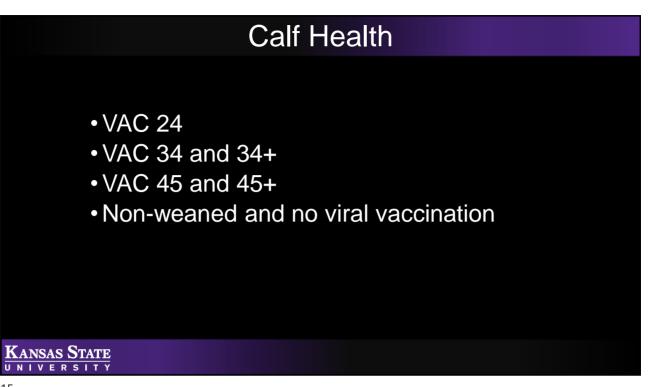
2018 Summer Calf Sales

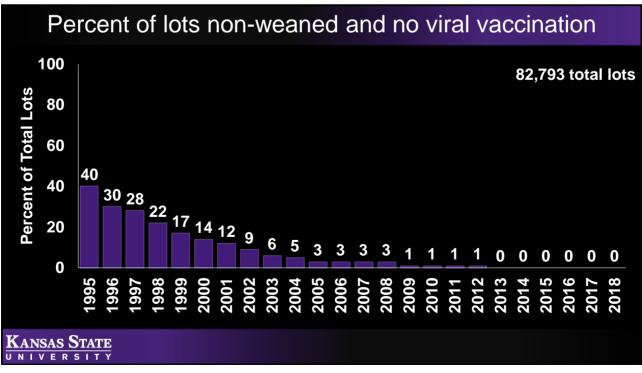
Auction Date				
Auction Date	Number of lots	Least squares mean of sale price (\$/cwt)	Regression coefficient	
June 13 – 14	320	159.87ª	2.73	
June 27 – 28	288	158.23 ^{ab}	1.09	
July 9 – 13	1,282	162.53 ^c	5.39	
July 30 – August 3	1,023	162.78°	5.64	
August 20 – 24	1,162	159.53 ^a	2.39	
September 6 – 7	296	157.14 ^b	0.00	
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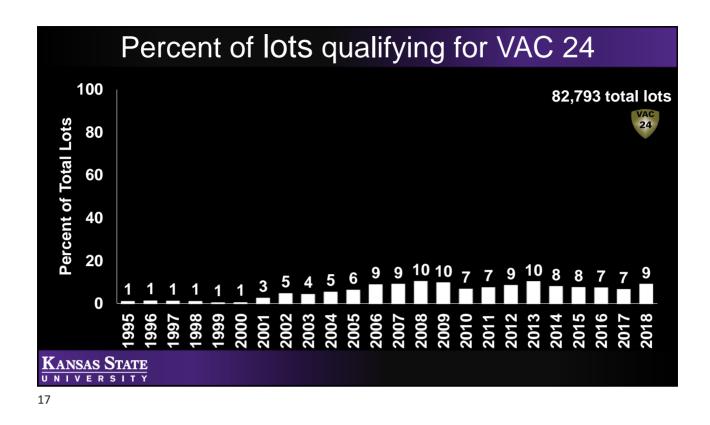


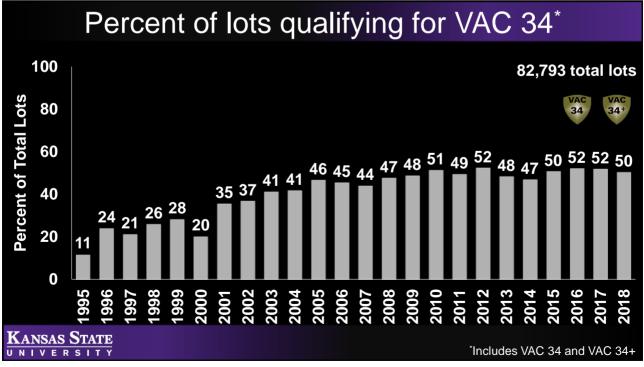


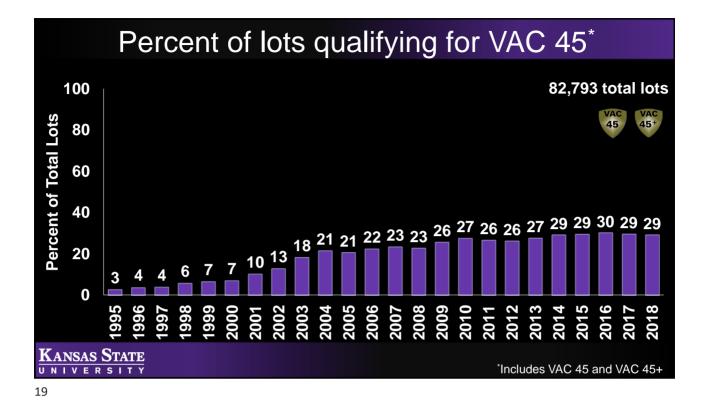


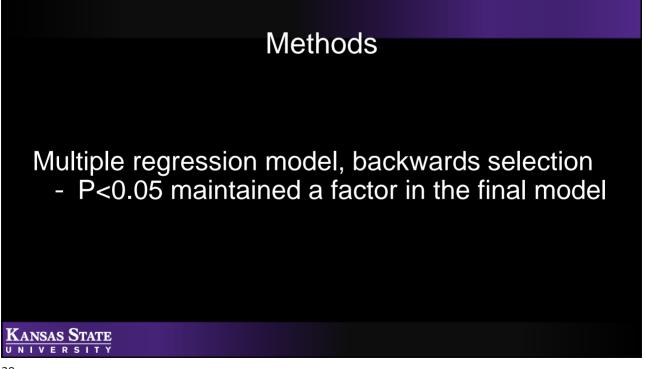


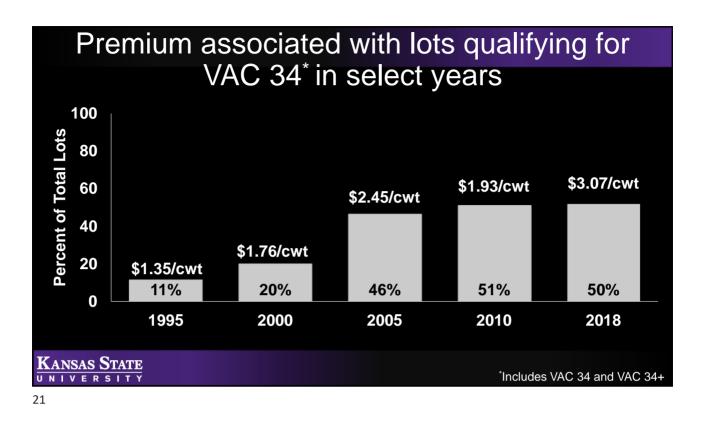


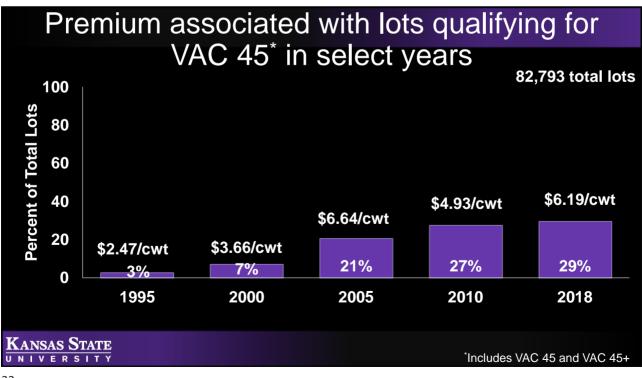








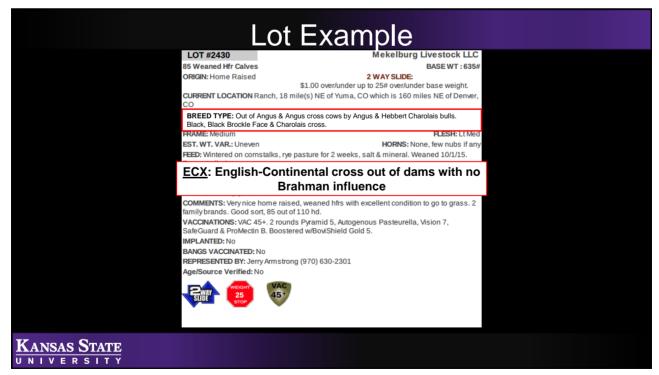


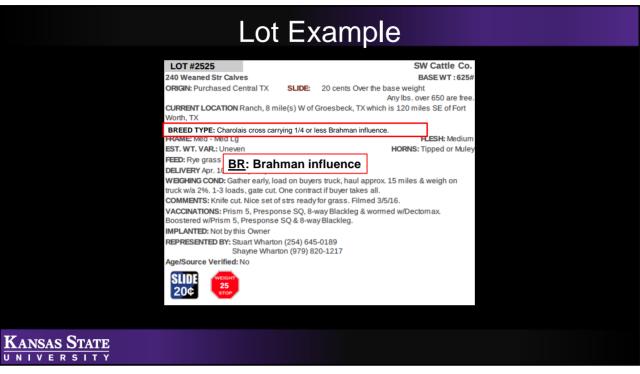


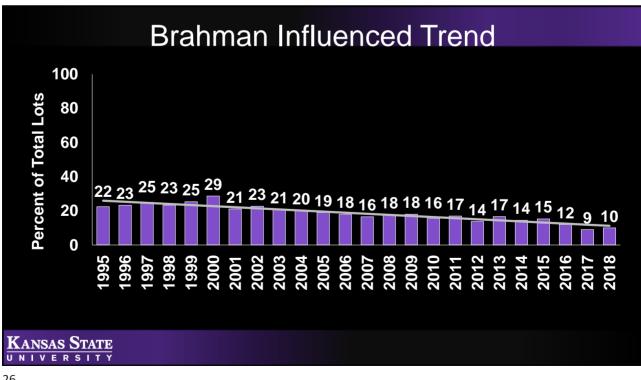
Breed Descriptions

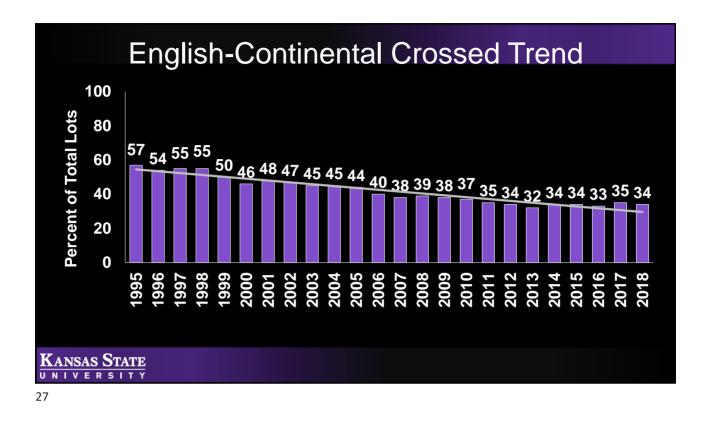
English, English Crossed English-Continental Crossed Brahman-Influenced

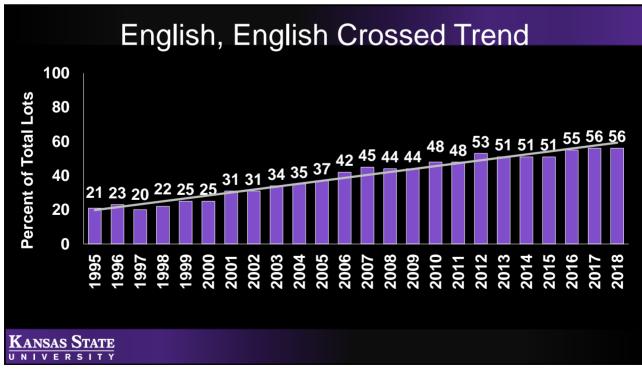
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Breed Description of the Lot			
Breed Description	Number of lots	\$/cwt	Regression coefficient
English, English crosses	2,318	162.84ª	7.61
English-Continental crosses	1,490	161.97 ^b	6.74
Brahman influenced	563	155.23 ^c	0.00
Kansas State university 29		201	8 Summer Calf Sales



Non Hormone Treated Cattle Program (NHTC)

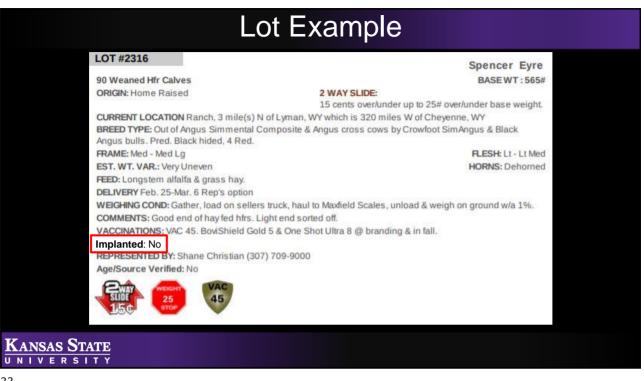
- USDA approved program
- 3rd party audited
- Created for export to European Union in 1999



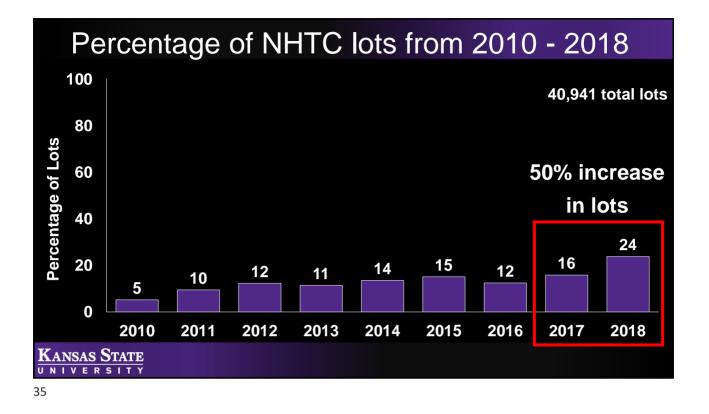
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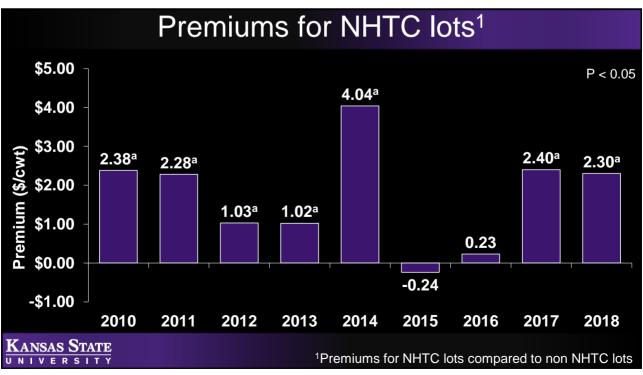
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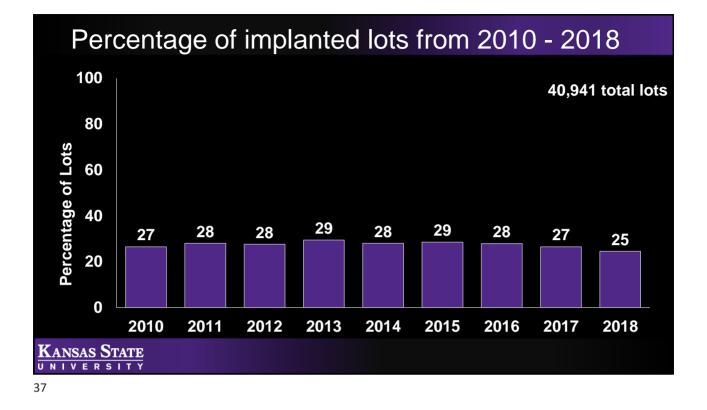


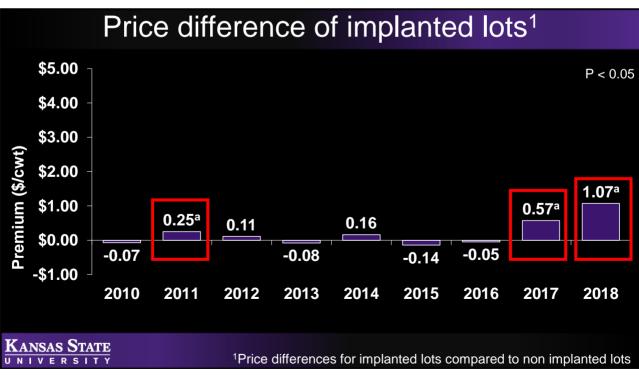


LOT #2283	Price Farm & Ranch
440 Weaned Str Calves	BASEWT: 870#
ORIGIN: Purchased Western ND	2 WAY SLIDE:
Orden: Purchased westernind	8 cents over/under up to 25# over/under base weight.
CURRENT LOCATION Ranch 30 mile(s) N of	New Salem, ND which is 30 miles W of Bismarck, ND
BREED TYPE: Black Angus & a few Black Angu	
FRAME: Med Lg	FLESH: Med - Med Hvy
EST. WT. VAR.: Fairly Even	HORNS: None
FEED: Ration of corn silage, chopped hay & di	stillers to gain 2.5# per day.
DELIVERY Feb. 25-Mar. 1 Rep's option	
WEIGHING COND: Gather from pens by 9:00 a	.m., sort & weigh on ground w/a 3%. 54,685# ld(s), 3-7 loads,
gate cut. One contract if buyer takes all.	
COMMENTS: Knife cut. Good Northern feeder	strs w/gentle disposition.
VACCINATIONS: Inforce 3, Ultrabac 7 w/Some & Dectomax Injectable 11/18	bac & One Shot BVD 10/18. Boostered w/Resvac 4 w/Somubac
Implanted: Synovex One Grass	
REPRESENTED BY: Stockmen's Livestock Exc James Erickson (701) 29	
John Fischer (701) 290-1	
Age/Source Verified: No	
Angus	
Angus Angus	
SUDE 25	





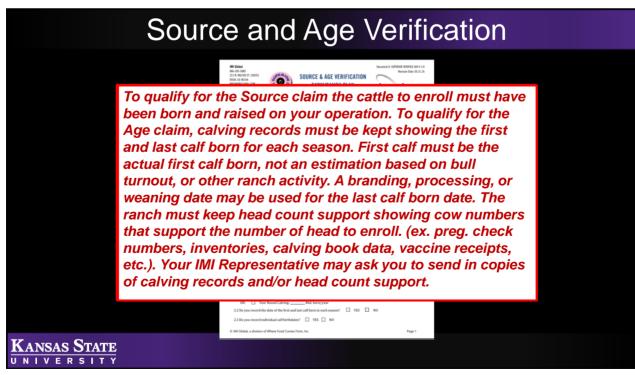


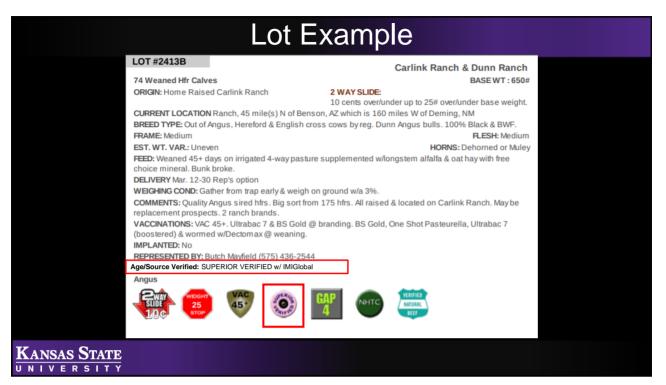


Source and Age Verification

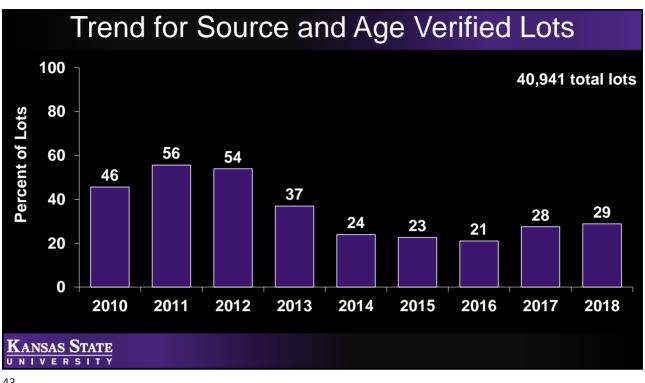
Summers 2010 - 2018

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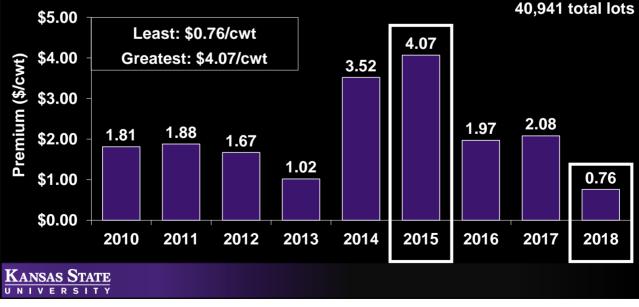




Lot Example			
LOT #2430	Mekelburg Livestock LLC		
85 Weaned Hfr Calves	BASE WT: 635#		
ORIGIN: Home Raised	2 WAY SLIDE: 0 over/under up to 25# over/under base weight.		
	NE of Yuma, CO which is 160 miles NE of Denver,		
BREED TYPE: Out of Angus & Angus cros Black, Black Brockle Face & Charolais cr	s cows by Angus & Hebbert Charolais bulls. oss.		
FRAME: Medium	FLESH: Lt Med		
EST. WT. VAR.: Uneven	HORNS: None, few nubs if any		
FEED: Wintered on cornstalks, rye pastur Ran out all winter.	e for 2 weeks, salt & mineral. Weaned 10/1/15.		
DELIVERY Mar. 14-19 Rep's option WEIGHING COND: Gather ASAP, load on 2%. 53,975# ld(s).	WEIGHING COND: Gather ASAP, load on buyers truck, haul 2 miles & weigh on truck w/a		
	COMMENTS: Verynice home raised, weaned hfrs with excellent condition to go to grass. 2 family brands. Good sort, 85 out of 110 hd.		
VACCINATIONS: VAC 45+. 2 rounds Pyramid 5, Autogenous Pasteurella, Vision 7, SafeGuard & ProMectin B. Boostered w/BoviShield Gold 5.			
IMPLANTED: No	IMPLANTED: No		
BANGS VACCINATED: NO	BANGS VACCINATED: No		
REPRESENTED BY: Jerry Armstrong (970) 630-2301			
Age/Source Verified: No			
TOP VAC			
KANSAS STATE			



Premiums for Source and Age Verified Lots

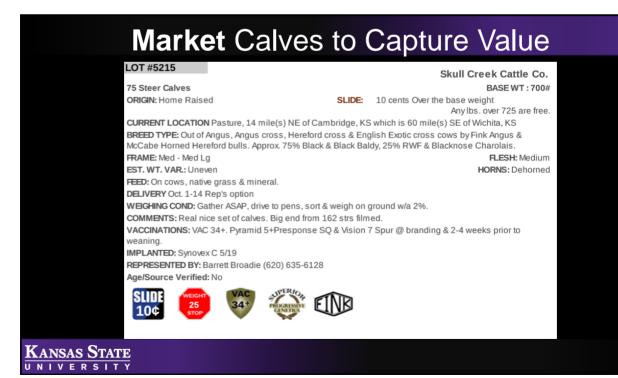


Key Points

- Vaccination program
- Breed composition
- Implants
- •How you market
- Additional programs
- Premiums are variable
- Market the calves



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Winter Ranch Management February 11, 2020 Esther McCabe

