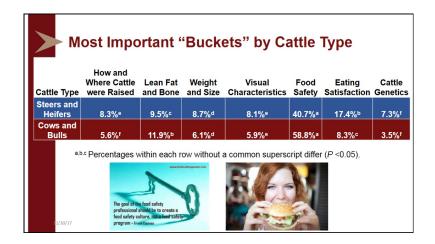
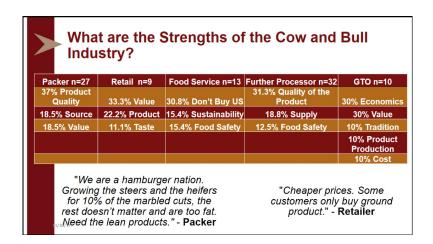


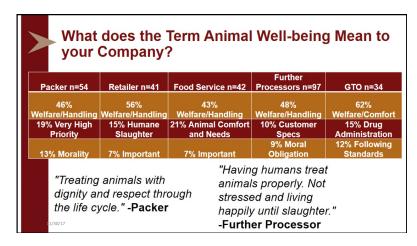
Steers and Heifers					
Quality Category	Packer	Retailer	Food Service	Further Processor	G.
How and Where Cattle were Raised	11.4° (0.05)	6.3d (0.03)	6.1e (0.03)	5.3f(0.02)	12.2°
Lean Fat and Bone	13.7 ^b (0.06)	4.7f(0.03)	9.3° (0.05)	9.2d (0.03)	10.7d
Weight and Size	9.3f(0.04)	6.1e (0.09)	9.0d (0.04)	10.2c (0.03)	8.9e
Visual Characteristics	6.8g (0.03)	9.3° (0.03)	5.7 ^f (0.03)	7.4° (0.02)	11.3 ^d
Food Safety	36.7ª (0.13)	44.0a (0.04)	46.3ª (0.15)	46.5ª (0.10)	30.2ª
Eating Satisfaction	11.2d (0.05)	23.6 ^b (0.14)	18.5 ^b (0.08)	16.0 ^b (0.05)	17.6b
Cattle Genetics	11.0e (0.05)	6.0e (0.02)	5.19 (0.03)	5.4f (0.02)	9.1e (

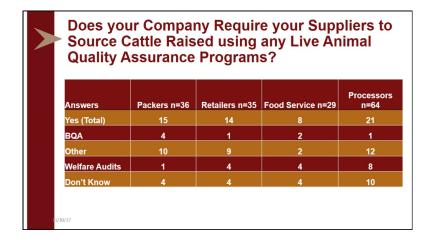
Cows a	nd Bul	ls			
Trait	Packer	Retailer	Food Service	Further Processor	GTO
How and Where Cattle were Raised	7.8% ^d	1.5% ^e	2.9% [†]	4.4% ^f	10.6%°
Lean, Fat and Bone	13.4% ^b	6.1% ^d	11.1% ^b	11.7% ^b	14.0% ^t
Weight and Size	8.4% ^c	1.8% ^e	4.9% ^d	5.3% ^d	7.1% ^f
Visual Characteristics	4.5% ^f	21.2% ^b	4.2% ^e	4.9%°	9.2%°
Food Safety	56.3% ^a	52.3% ^a	66.4% ^a	62.7% ^a	39.0% ^e
Eating Satisfaction	5.4%e	15.9%°	8.4% ^c	8.2% ^c	13.0%°
Cattle Genetics	4.1% ^g	1.1%	2.1% ^g	2.7% ^g	7.2% ^f



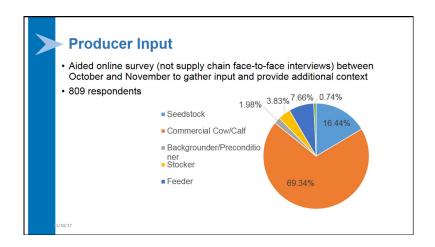
Packer n=42	Retail n=52	Food Service n=48	Further Processor n=105	GTO n=46
28.5% Product Quality	26.9% Product Quality	39.6% Product Quality	28.6% Product Quality	28.3% Product Quality
11.9% Taste	13.5% Nutrition	14.6% Food Safety	18.1% Food Safety	19.6% Production Practices
11.9% Story	11.5% Sustainability	8.3% Supply	8.6% Supply	15.2% Marketing
11.9% Food Safety	9.6% Food Safety	8.3% Market	6.7% Animal Welfare	
			6.7% Consistency	
though	oduct! Even it is really high people still love it	t."	"Ability to support of the support o	

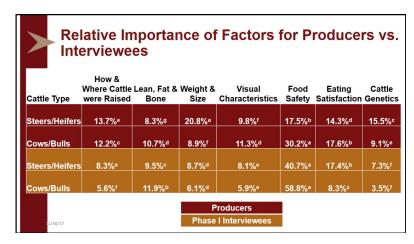




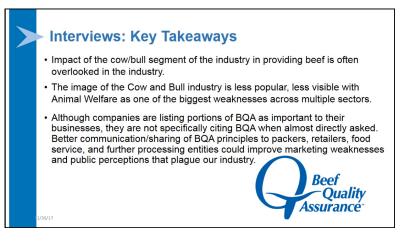




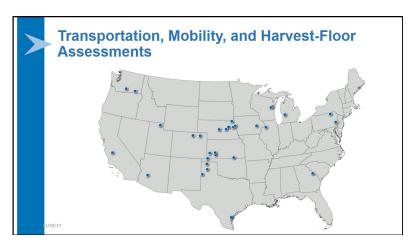


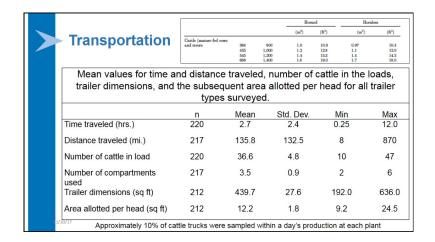


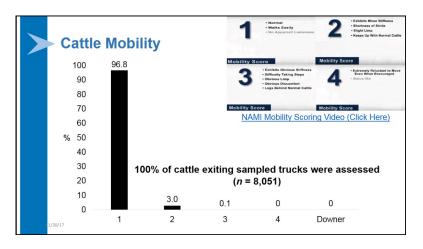


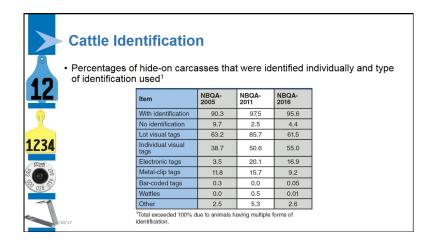


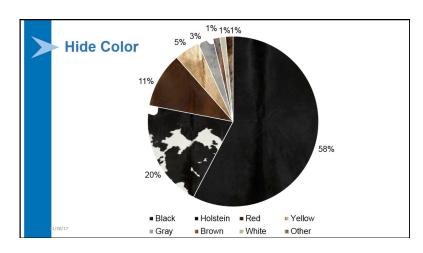


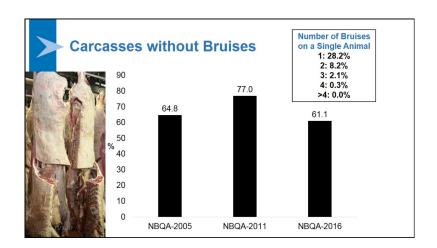


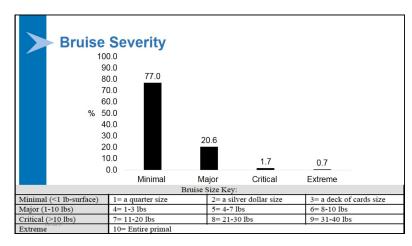


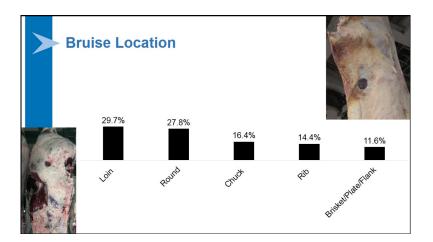


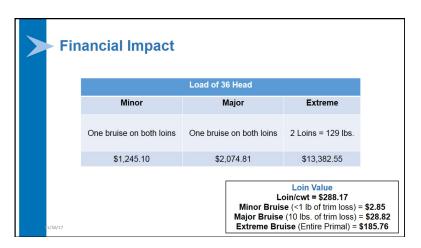


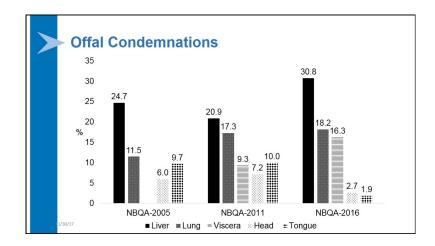


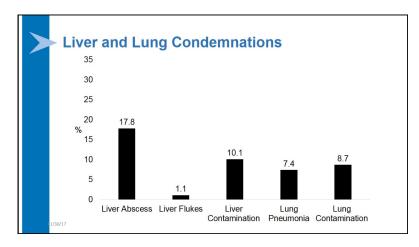


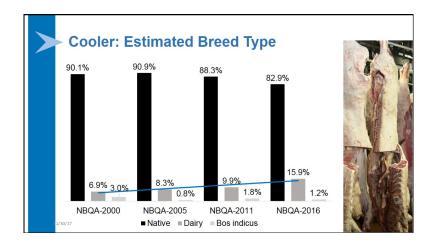


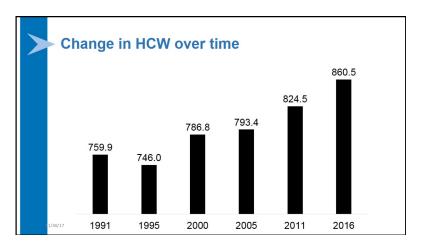


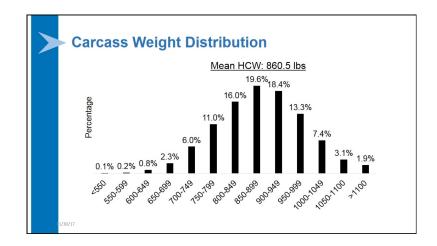


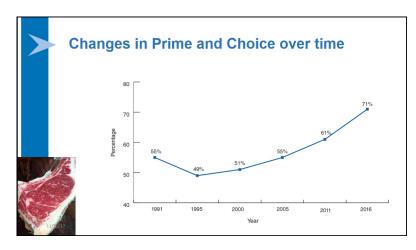


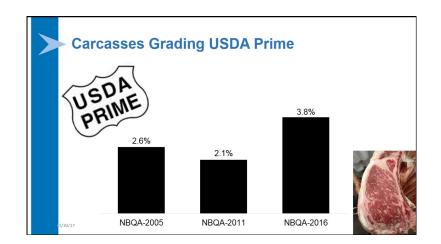


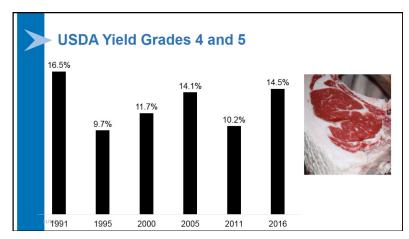




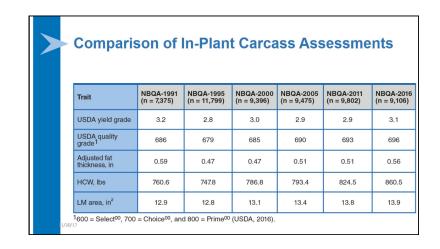


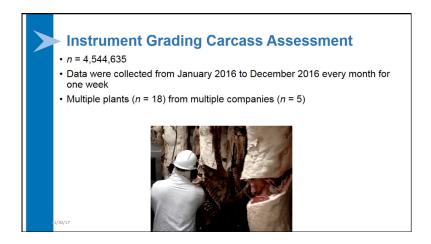


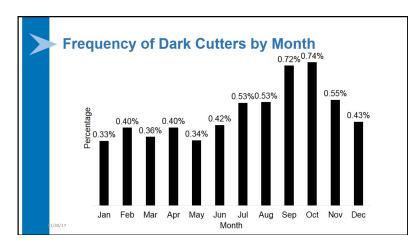




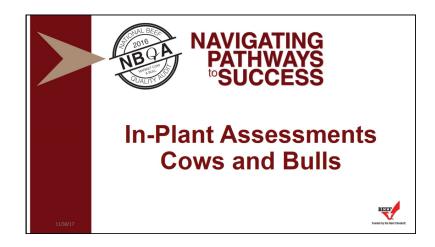
>		omparison of native and dairy carcass naracteristics					
		Trait	Native	Dairy			
		USDA yield grade	3.1	3.0			
		Adj. fat thickness (in)	0.60	0.36			
		Carcass weight (lbs)	860.2	845.7			
		Ribeye area (in²)	14.1	12.5			
		Marbling score	Small 69	Small 86			
11/30	0/17						



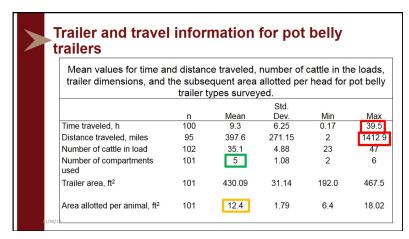


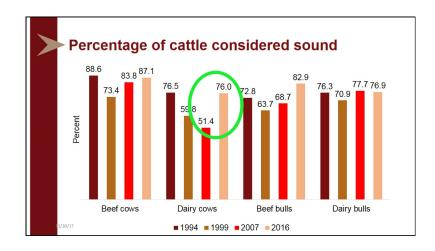


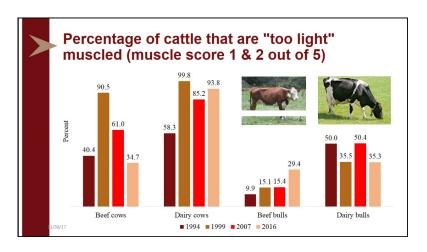
Trait	Cooler mean (n = 9,106)	Instrument mean (n = 4,544,635)
USDA yield grade	3.1	3.1
Adj. fat thickness (in)	0.56	0.54
Hot carcass weight (lbs)	860.5	867.7
Ribeye area (in²)	13.9	13.8
Marbling score	Small 70	Small 75

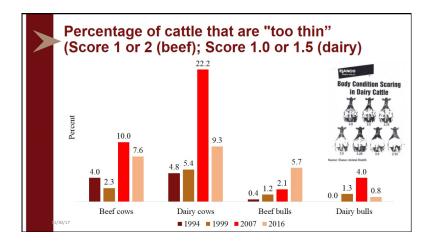


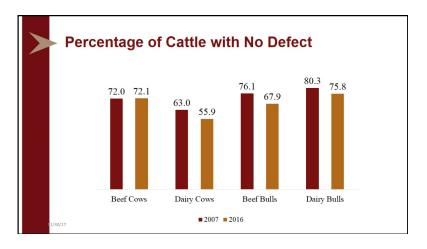


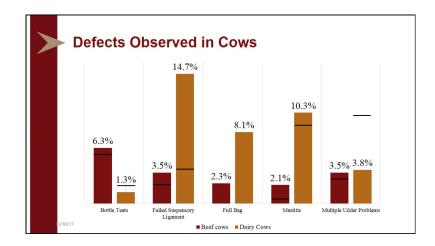


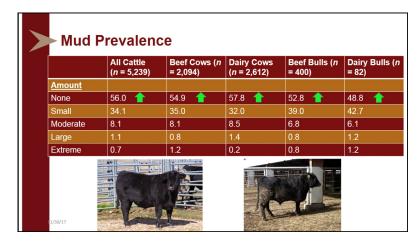


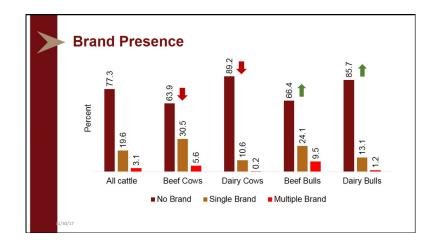


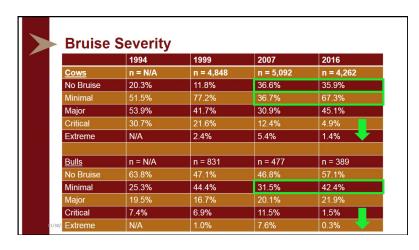


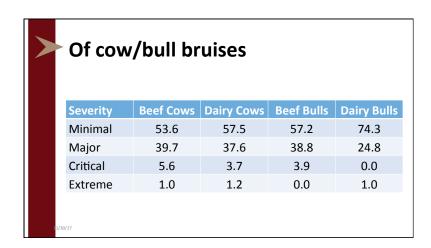


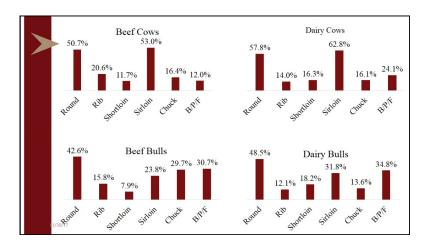


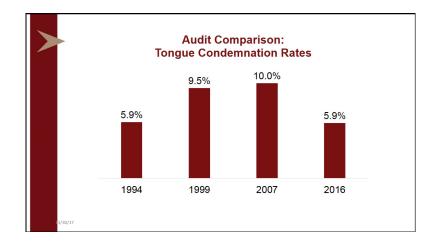


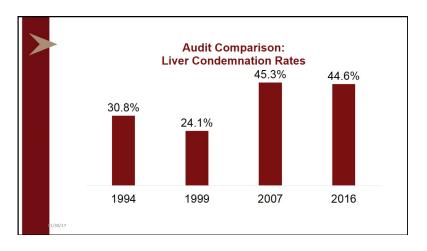


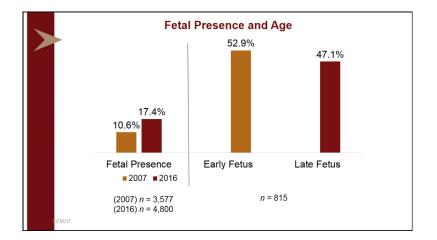


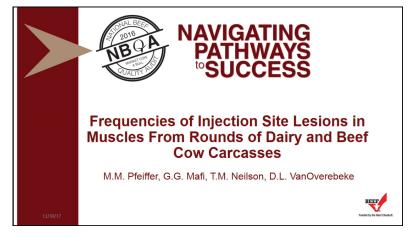




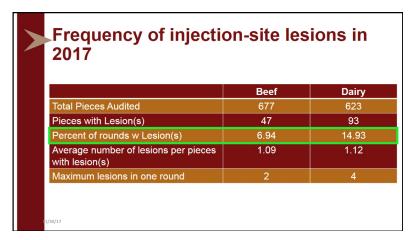


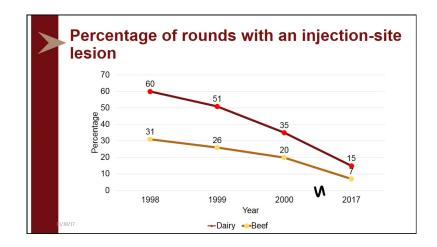


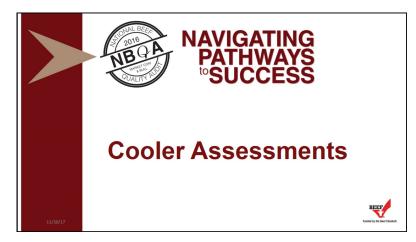


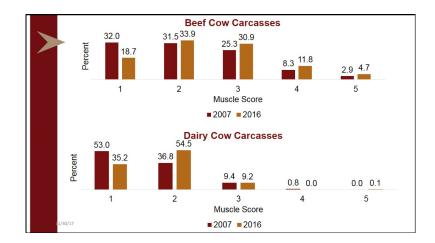


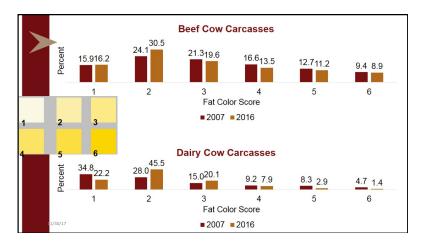


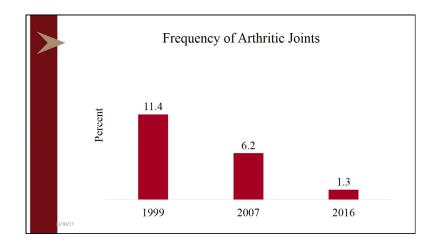








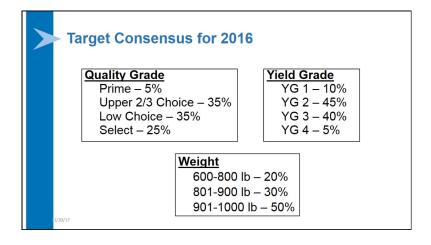
















	Lost Opportunities for Cows and					
Bulls						
	2016	1999	1994			
Whole cattle/carcass condemnations	\$-6.82	\$-4.11	\$-11.99			
Head, Tongue, Heart and Liver Condemnations	\$-2.56	\$-1.90	\$-1.75			
Hide Defects (Brands and Latent Defects)	\$-7.47	\$-6.27	\$-6.92			
Arthritic Joints	\$-1.89	\$-9.72				
Bruises	\$-3.41	\$-2.24	\$-3.91			
Injection-site lesions (rounds only in 2016)	\$-0.10	\$-1.46	\$-0.66			
Yellow colored external fat	\$-12.47	\$-6.48	\$-2.27			
Dark Cutters	\$-1.35	\$-1.41	\$-0.06			
Inadequate Muscling	\$-31.59	\$-18.70	\$-14.43			
Excess External Fat	\$-55.11	\$-10.17	\$-17.74			
Total	\$-122.77	\$-62.46	\$-59.73			

