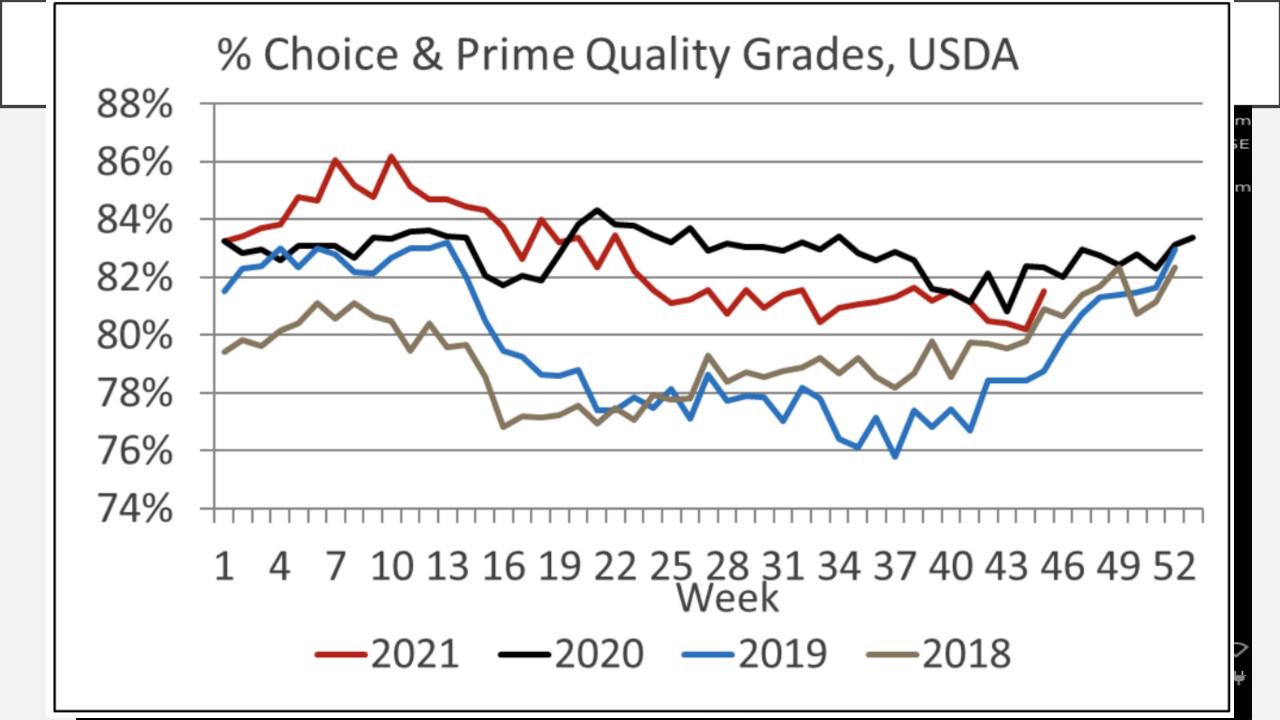
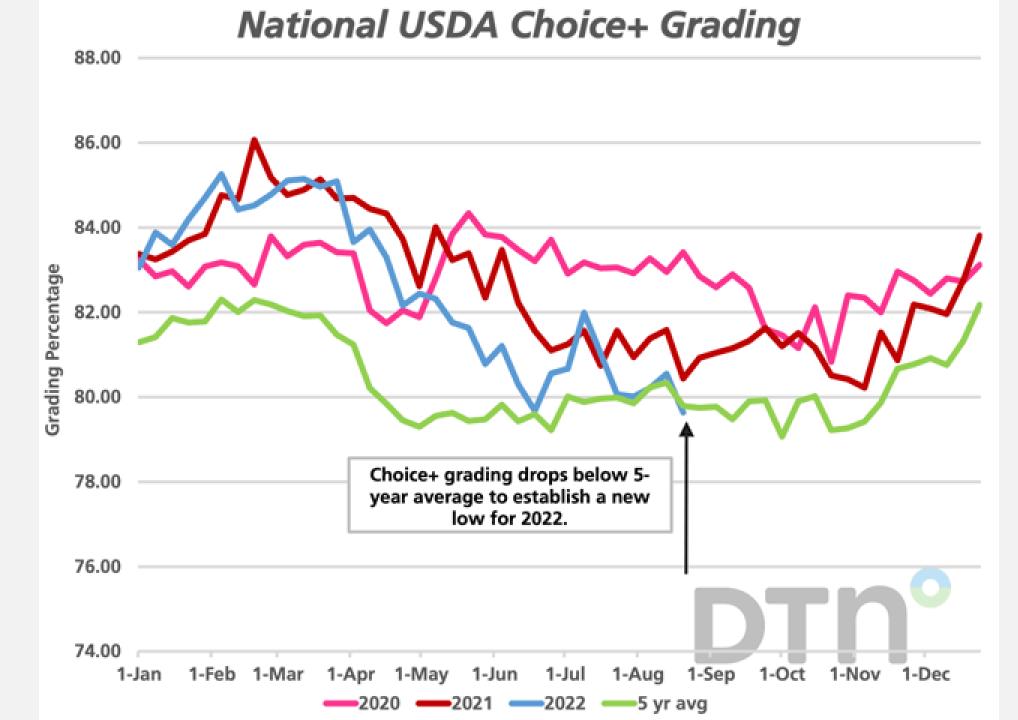
# ULTRASOUND GUIDELINES COUNCIL UPDATE 2023!

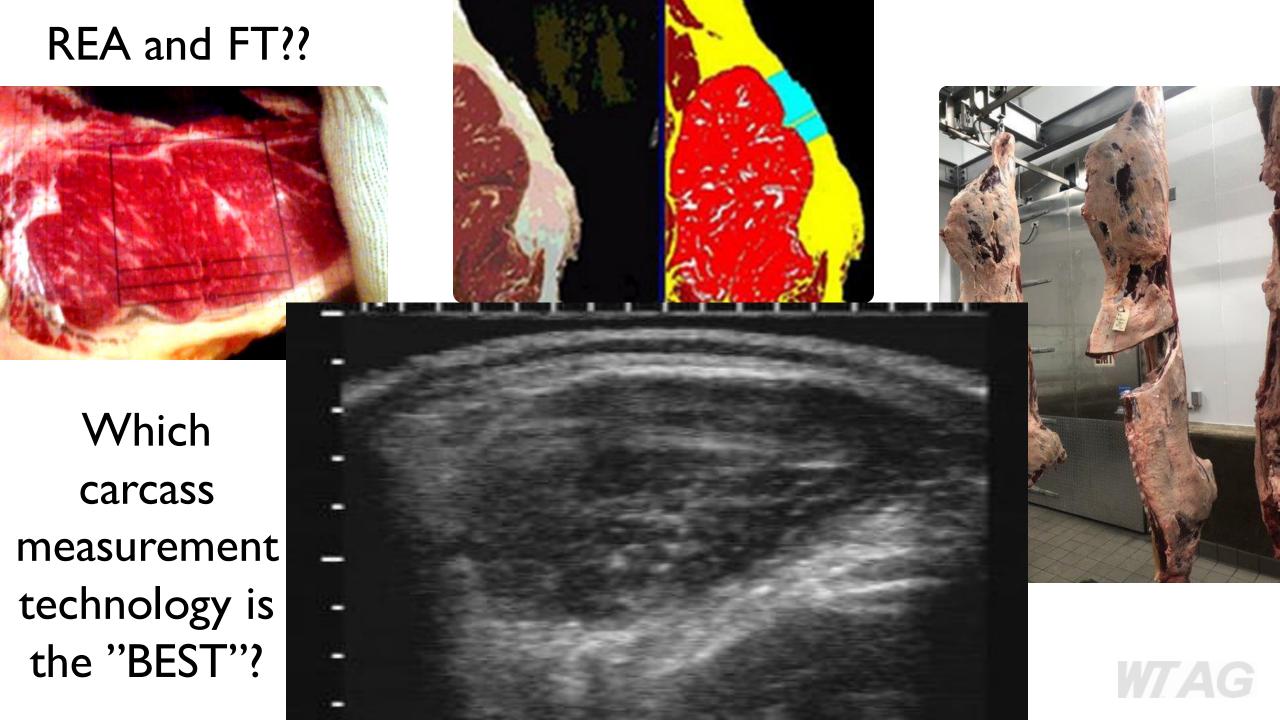




July 5, 2023 Tommy Perkins, Ph.D., PAS



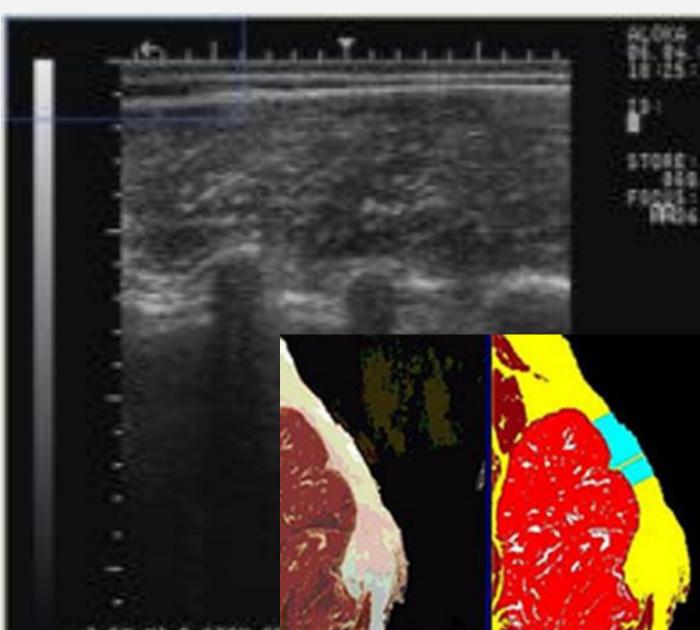




#### MS or %Fat??



Which carcass measurement technology is the "BEST"?



#### CAMERA GRADING ISN'T PERFECT



#### **UPDATED ALGORITHMS FOR ULTRASOUND**

### CARCASS DESCRIPTIVE DATA

Trait	Min.	Max.	Avg.
HCW	485	1016	801
REAC	11.49	21.33	15.44
FTC	0.04	1.08	0.74
EE	.15	15.85	6.06

### **UPDATED ALGORITHMS FOR ULTRASOUND**

#### ULTRASOUND MACHINES TESTED

Unit	FT	REA	MARB
ALOKA 500	0.81	0.69	0.85
EVO 2	0.94	0.69	0.87
EVO 3	0.94	0.74	0.88

# RESULTS

-New IMF models were approved for the Evo III for ILIA, UltraInsights, and CUP. -New IMF models were approved for the Evo II for ILIA and UltraInsights (updated). -A new IMF model for the "New Aloka" machine with the PXC200 frame grabber was approved for ILIA.

# RESULTS

 Note: this change also impacts any technicians using the BIA ProPlus system. Images may still be collected and submitted to the lab(s) using this software, but interpretation of images is no longer approved since the model is embedded within the software.

## RESULTS

-Software for the following combinations have been <u>removed</u> from the UGC Approved list:

- 1. ILIA's Old Aloka-CX100
- 2. ILIA's Old Aloka-PXC200
- 3. ILIA's New Aloka-CX100.

## SYSTEMS REVIEW COMMITTEE

- Investigating the completion of a research project to include 80 very high marbling cattle and 80 very low marbling cattle to determine software accuracy in estimating percent ether extractable fat using ultrasound technology both past and present.
- •All software technologies and hardware will be invited.

## SYSTEMS REVIEW COMMITTEE

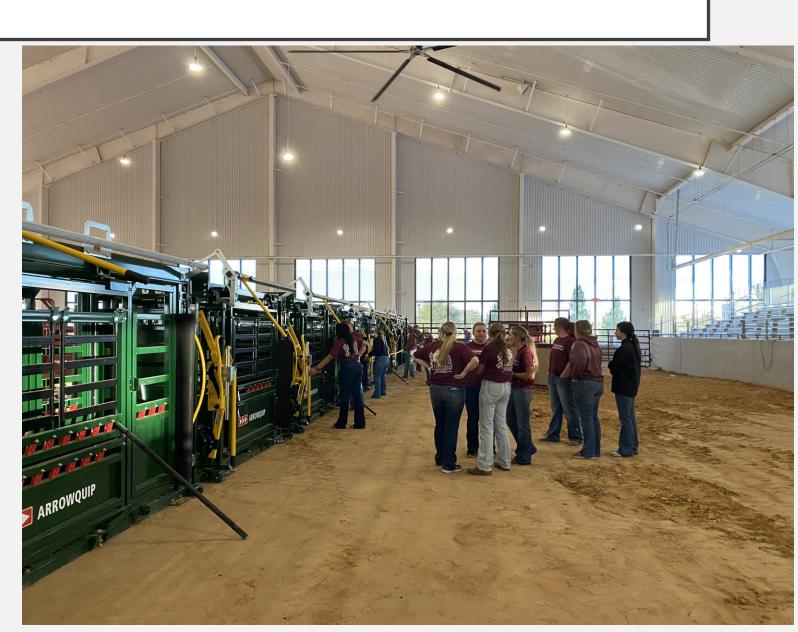
 Very similar to the study done by William Herring et al. (1998)

Herring, W. O., L.A. Kriese, J. K. Bertrand, and J. Crouch. 1998. Comparison of four real-time ultrasound systems that predict intramuscular fat in beef cattle. J. Anim. Sci. 76:364.

Animal Ultrasound Services, Inc., Ithaca, NY; CPEC,
 Oakley, KS; Critical Vision, Inc., Atlanta, GA (CVIS); and
 Classic Ultrasound Equipment, Tequesta, FL.

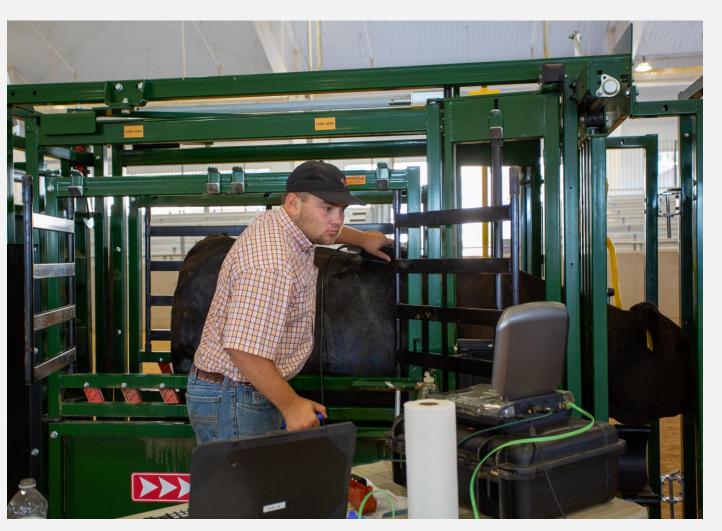
## **UGC CERTIFICATION 2022**

- 55 Technicians
  - I Old Aloka
  - 13 New Aloka
  - I Aquilla
  - 1 1 EVO 2
  - •2 IBEX
  - •27 EXAGO



## UGC CERTIFICATION LIST

- I I 5 UGC Field Certified Technicians
  - 9 Canada
  - •5 Brasil
  - III USA



# UGC CERTIFICATION 2023

- Hosted by West Texas A&M University, Canyon, TX
- •September 13-15, 2023

