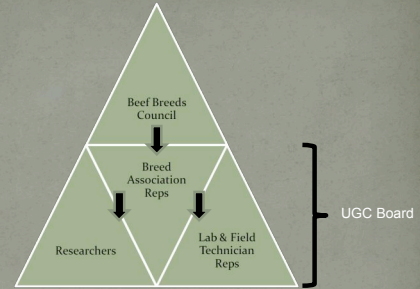


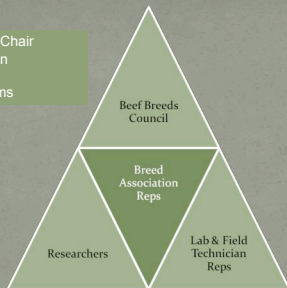


Current Status of the Ultrasound Guidelines Council

Janice M. Rumph
Executive Director, UGC
Michigan State University

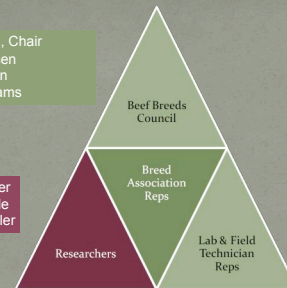


Bill Bowman, Chair
Kent Andersen
Larry Keenan
Robert Williams



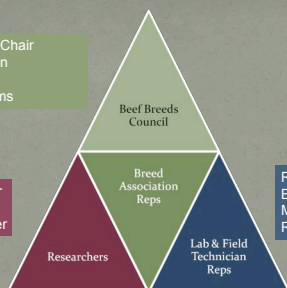
Bill Bowman, Chair
Kent Andersen
Larry Keenan
Robert Williams

Scott Greiner
Dean Pringle
Matt Spangler



Bill Bowman, Chair
Kent Andersen
Larry Keenan
Robert Williams

Scott Greiner
Dean Pringle
Matt Spangler



Russell Coon
Becky Hays
Mark Henry
Rethel King

Members of UGC

- Breeds Associations
- Centralized Ultrasound Processing Facilities (CUPF, "Labs")
- Each breed association and CUPF pays
 - Base \$250, plus
 - For every animal scanned/data received
 - Lab pays \$100 per 1,000 animal increment
 - Breed pays \$100 per 1,000 animal increment
 - For example, 2500 animals = \$300 + \$250 base = \$550

CUPF/Labs

- In order to be considered a CUPF
 - Must sign and abide by an annual Memorandum of Agreement
 - Have at least 2 certified lab technicians
 - Service at least 2 breeds
- In order for a lab to have a lab technician serve on the board, that lab must process a minimum of 2500 animals annually

CUPF/Labs

- Five UGC CUPF
 - Beef Improvement Ontario (BIO)
 - Biotronics
 - CUP Lab (Walter and Associates)
 - International Livestock Image Analysis (ILIA)
 - Ultrainsights

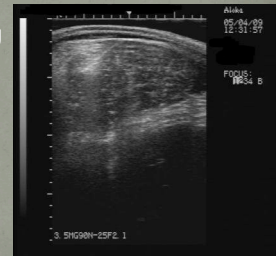


What does UGC do?



Responsibilities of UGC

- Insure highest quality ultrasound data going into genetic evaluations
- Administer
 - Field Technician Certification
 - Systems Certification
 - Lab Technician Certification



Certified Field Technician

Certified System

Certified Lab Technician

Breed Association

Field Certification



Field Technicians

- 160 Field Technicians (US, Canada, Brazil)
- Certify based on machine
 - New Aloka
 - Old Aloka
 - Classic
 - Aquila
 - Sonovet
 - Falco
- Two year cycles

Field Certification

- Two per year
 - Ames, Iowa (June)
 - Athens, Georgia (September)
- Written Exam
- Scan 40 head
 - 20 head twice
 - Half are harvested



Absentia

- Field technicians that
 - Scan a minimum of 1,000 head annually
 - Have been certified at least 4 years
 - Are determined to not have low quality images
- Two year cycle – just like certification

Additional Requirements for Field Techs

- Sign an annual participation agreement
 - Keep contact info updated
 - UGC has a record of system being used
- Attend UGC Educational Program
 - Once every two years if you are certified less than 6 years
 - Once every four years if you are certified for 6 or more years

Educational Program

- July 28-29, 2008
- Lincoln, Nebraska
- Opportunities to
 - Work one on one with labs
 - Experience interpreting images
 - Hear speakers discuss:
 - Marketing and Business Practices
 - Breed Association Paperwork
 - Ultrasound and Genetic Evaluations
 - Carcass Anatomy
 - Interact with other technicians
- www.ultrasoundbeef.com



Systems Certification

Systems Certification

- A "System" is the combination of:
 - Machine
 - New Aloka
 - Old Aloka
 - Classic
 - Aquila
 - Sonovet
 - Falco
 - Frame Grabber
 - CX100
 - PXC200
 - VCE
 - USB
 - Settings
 - Lab Interpretation Software
- Does NOT include image capturing software
- Not every lab can accept images from every system

Systems Certification

- Lab is responsible for cost incurred with system certification
 - Harvest a minimum of 40 animals
 - Ether Extracts
- Currently there are 34 UGC approved systems
 - Not all labs can accept all images
 - UGC does not support UGC certified systems
 - Field technicians are responsible for making sure that there is a lab that will accept images from their system

Lab Certification

Lab Technicians

- ~100 Certified Lab Technicians
- 5 CUPF
 - Most U.S. breeds require images to go thru a CUPF
- "Independents"
 - Universities
 - Other Countries



Lab Technicians

- Are certified based on machine type
 - Aloka (both old and new)
 - Classic
 - Currently there are no Falco, Sonovet, Aquila field technicians
- Two year periods
- Certification takes place at the labs

Lab Technicians

- Written exam
- Interpret 40 animals per trait
 - REA
 - Rib Fat
 - Rump Fat
 - IMF
- Image Quality score 40 animals per image type
 - Rib
 - Rump
 - IMF

