



BIF's Role in Charting the Future: Charge and Session Wrap-Up

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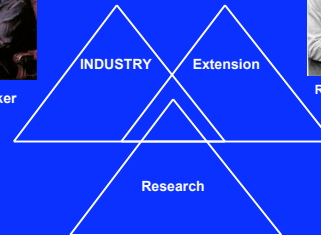
Beef Improvement Federation
Research Symposium & Annual Meeting
Columbia, Missouri
June 30, 2010



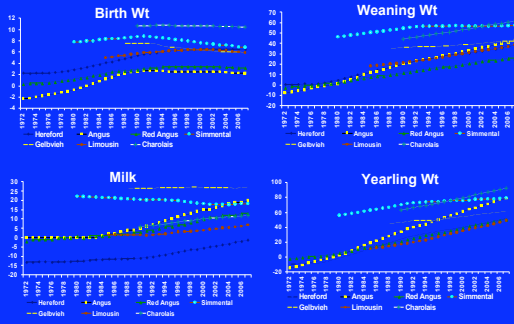
Frank Baker



Richard Willham



AB-EPD Genetic Trends (Kuehn et al., 2009)



TRAITS INCLUDED MORE RECENTLY IN GENETIC EVALUATIONS (EPDs) BY DIFFERENT BREEDS

- Calving ease (direct – sire of calf) – An, He, RA, Sh, Bv, Ch, Ge, Li, Si, Ta
- Calving ease maternal (sire of dam) – An, He, RA, Sh, Bv, Ch, Ge, Li, Si, Ta
- Scrotal Circumference – A, H, Bm, Bg, Ge, Li, Sa,
- Stayability – RA, Ge, Li, Si
- Marbling – An, He, RA, Sh, SD, Bv, Ch, Li, MA, Sa, Si, Sg, Cia
- Rib eye area - An, He, RA, Sh, SD, Bv, Ch, Li, MA, Sa, Si, Sg, Cia
- Fat thickness - An, He, RA, Sh, SD, Bv, Ch, Li, MA, Sa, Si, Sg, Cia
- Mature wt and height – An
- Selection Indexes (specific roles) An, He, RA, Ge, Li, Si



Beef Improvement Federation Research Symposia and Annual Meetings

- **Symposia** provide for direction of genetic improvement
- **Committees**
 - Selection Decisions
 - Producer Application
 - Live Animal and Carcass Endpoints
 - Cowhard Efficiency
 - Genetic Prediction
 - Emerging Technology
- **Workshops**



Guidelines For Uniform Beef Improvement Programs

- **Uniformity** in methods of measuring traits
- **Recording** and analyzing data
- **Genetic Prediction (EPDs)**
 - Quantitative Approaches
 - Molecular Approaches



Guidelines

For Uniform Beef Improvement Programs
(9th Edition)

New Guidelines:

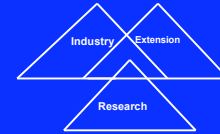
- Udder Scores (Lauren Hyde et al.)
- Postweaning Feed Intake and Efficiency (Crews and MacNeil)
- Behavioral Traits (Weaver et al.)
- Shear force tenderness (Wheeler and Shackelford)
- Economically relevant traits (Darrick and MacNeil)
- Selection indices and Breeding Objectives (Garrick and MacNeil)
- Combining molecular and quantitative Approaches (Tess et al.)
- Analyses procedures for combining molecular and quantitative data into genetic prediction (Kachman)
- Analytical models for Across Breed EPDs (Kuehn et al.)



Charge to BIF

Continue Providing Direction
and Impact on
Genetic Improvement of Beef Cattle

- Seedstock and Commercial Breeders
- Breed Associations
- Genomic Companies
- Research Scientists
- Extension Specialists



Charge to BIF

Continue Providing for Direction and Impact on
Genetic Improvement of Beef Cattle

- Research Symposia and Annual Meetings
 - Relevant topics and speakers
 - Relevant Committees
- Workshops
- Guidelines

