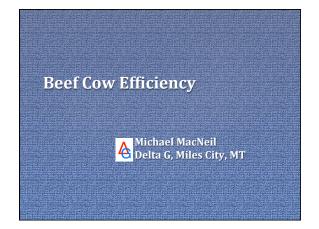
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...in compilation and utilization of performance records to improve efficiency, profitability and sustainability of beef production

 Guidelines For Uniform Beef Improvement Programs, 9th edition, 2010.

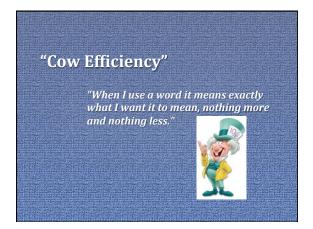
"Efficiency" reflects the relationship between outputs and inputs

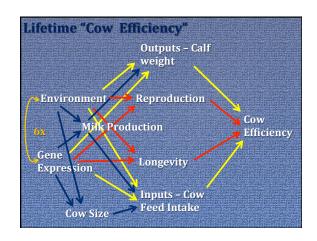
"Input-Output" models commonly used in econometrics

Selection is the primary force for changing average genetic merit of a population

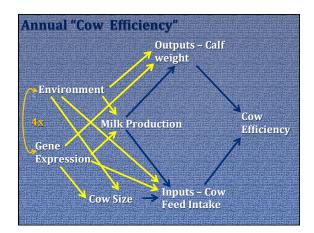
Response to selection is both cumulative and permanent

Requires *discipline* and *consistency* in the use of performance *records*





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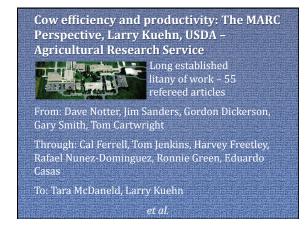
Certainly, cow efficiency is a function of several contributing traits

Virtually all breed associations currently publish one or more multitrait indexes that are intended to reflect differences in cow efficiency



Measuring cow efficiency and productivity: What do we know from the research? Mike Davis, The Ohio State University

Series of 7 papers
"LIFE-CYCLE EFFICIENCY OF BEEF PRODUCTION" with Jack Rutledge, Larry Cundiff and Ed Hauser



National Cattle Evaluation: Approaches to cow productivity and efficiency, Scott Speidel, Colorado State University

2009 - Frank Baker Award

"Genetic Analysis of Longitudinal Data in Beef Cattle"

Instrumental in genetic evaluations conducted by Colorado Genetic Improvement Laboratory

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Grand Challenge: Can we (as BIF) come to an agreement about the general architecture of an index the would facilitate selection to improve lifetime cow efficiency?