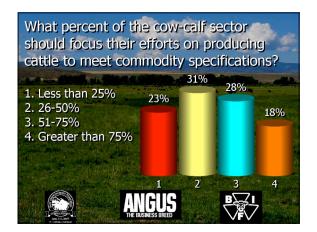
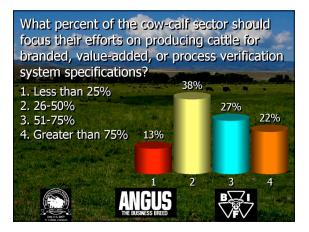
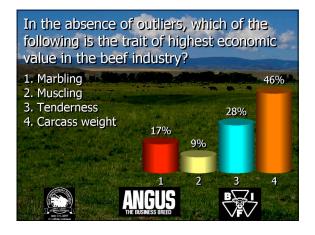
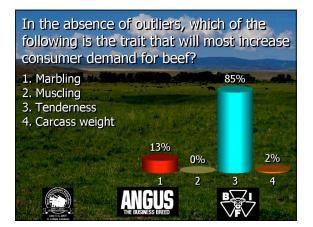


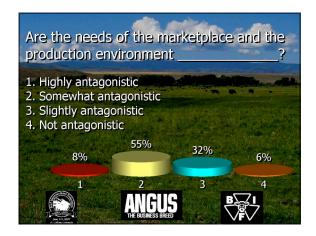
Do we have a clear consensus on what type of product we should be producing?

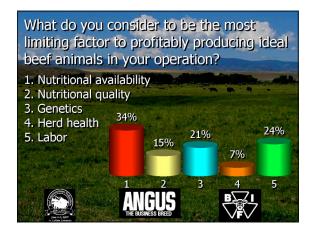






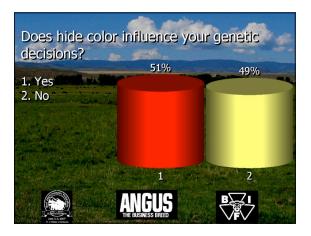






Importance of Crossbreeding

- Near consensus that crossbreeding should at least be a consideration at all phases of the production chain.
- > 70% Yes
- > 90% Yes or Maybe



What effect does color have on production or product?

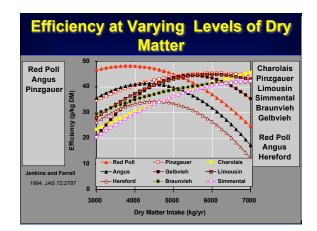
- Calving Ease
- Growth
- Health
- Eating Quality

What does color affect?

- Market
- Market
- Market
- Then what does color have to do with beef improvement?

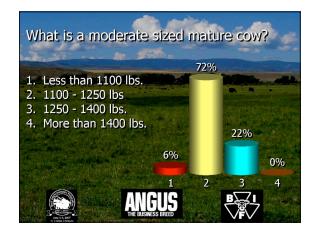
Does breed matter?

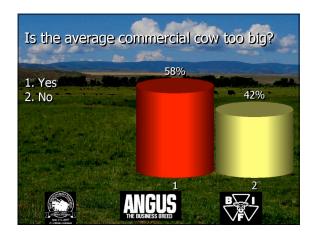
- MARC and other data
 - Differences between breeds for production traits
 - -Differences between breeds for adaptability to environments

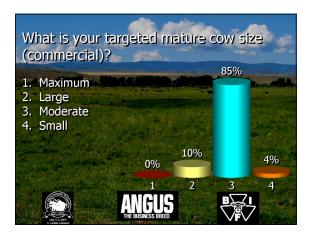


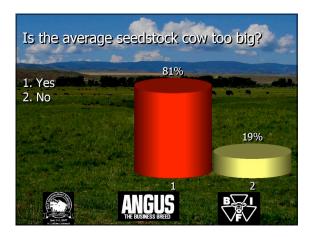
Does breed matter?

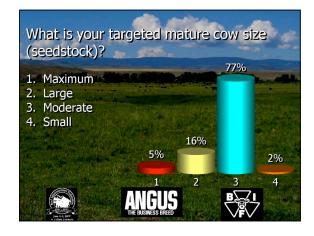
- MARC and other data
 - -little difference between breeds for efficiency when fed optimally
 - Lower nutrition favored low production
 - -Higher nutrition favored high production











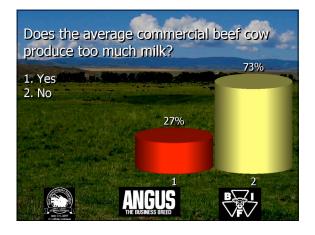
What is the ideal weight of a brood cow?

- What are your resources?
 - -Lush pasture with intensive management
 - Arid environment with low quality and quantity of forage

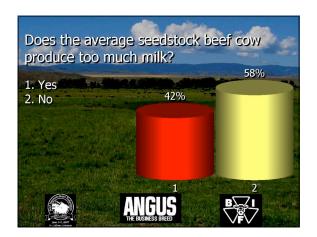
Culturapidal alimata

What's going on here?

- If our cattle are too big, why?
- The tools for changing cow size have been around for decades, if they're too big then breed them smaller.

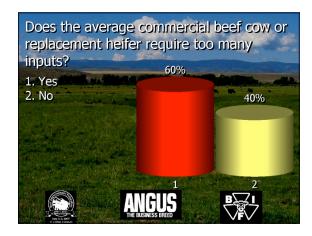


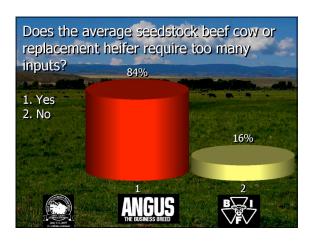


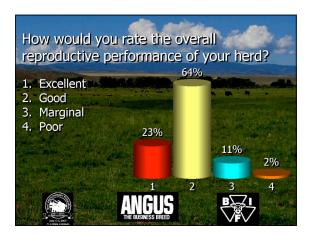




What is the ideal milk level of a brood cow? • What are your resources? –Lush pasture with intensive management –Arid environment with low quality and quantity of forage







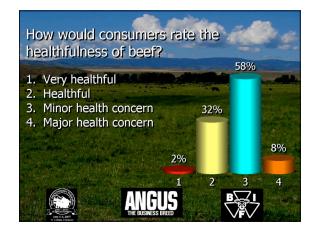
Interesting Relationship

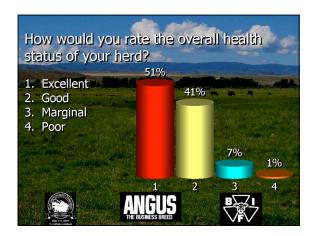
- Nutritional limitations
- Too Big
- About right milk
- Too many inputs
- Acceptable Reproduction

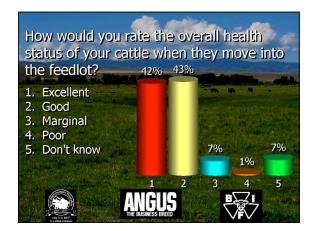
What does that indicate?

 We're not doing a good job of matching our genetics to our environment.









What is our product of the future?

- High quality
- Lean
- Organic/Natural

What is our product of the future?

- We can genetically alter marbling and leanness with EPDs and molecular technologies
- If organic continues its growth there will be a greater need for selection tools for health

What is the ideal product?

- Tender
- What about the healthfulness of our product?
 - -Altered fatty-acids
 - -Mineral Composition
 - _????
- le that hoof improvement?

Can we build the ideal beef animal?

- ABSOLUTELY
- Region dependent
- Management dependent
- Market dependent
- Technology dependent