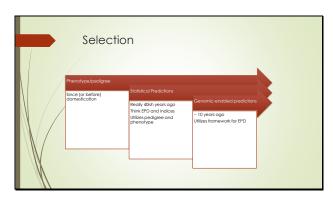
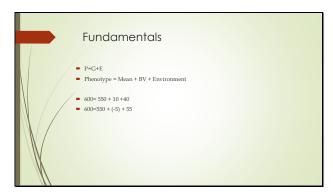


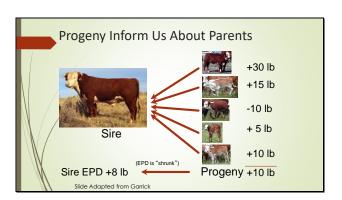
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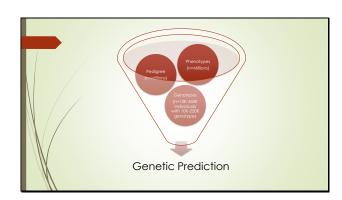


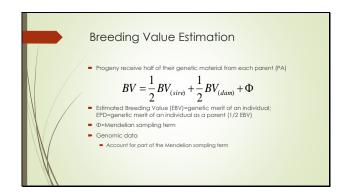


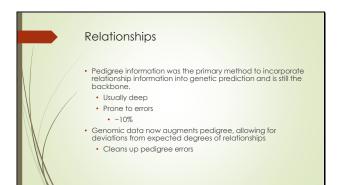
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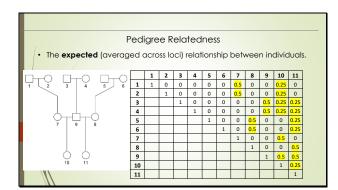


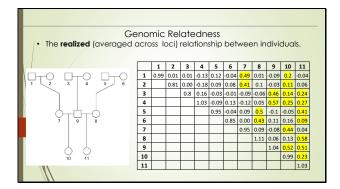


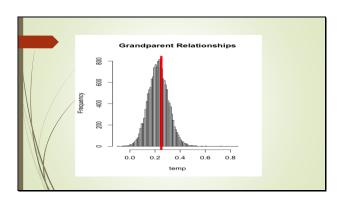




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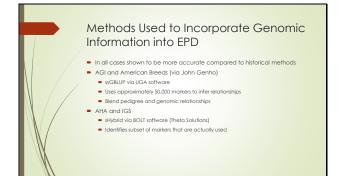




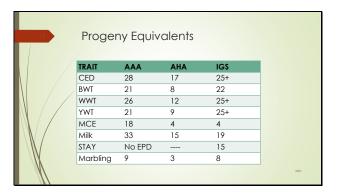


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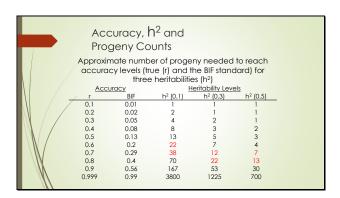
11



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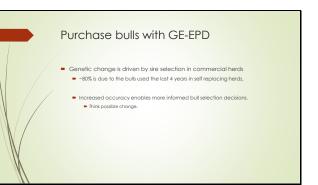
Increased Accuracy-Benefits

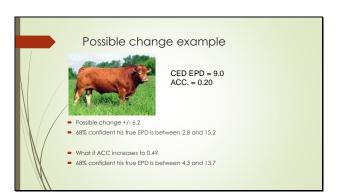
- Mitigation of risk
- Faster genetic progress

- Foster genetic progress
$$\Delta_{BV}$$
 / $t = rac{r_{BV,EBV}\,i\,\sigma_{BV}}{L}$

- Increased accuracy does not mean higher or lower EPD!
 Increased information can make EPDs go up or down

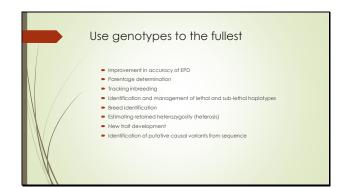
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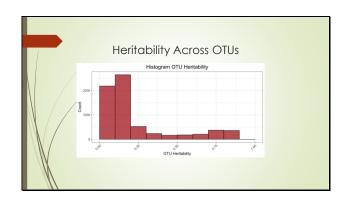


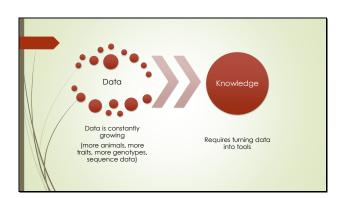
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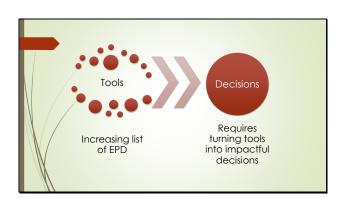
17



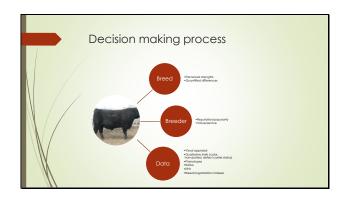
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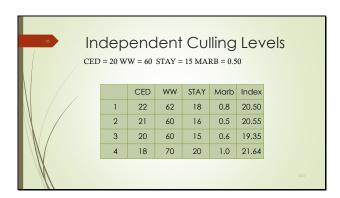






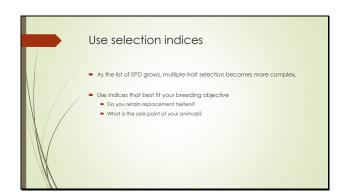
Slide





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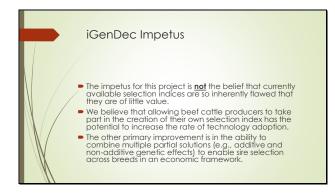
Selection index in a nutshell Tool to enable informed multiple-trait selection Based on: Breeding objectives Economic parameters Relationships among traits Population (herd) means Designed to improve commercial level profitability New (~ 10 years) to the beef industry but "old hat" to other industries



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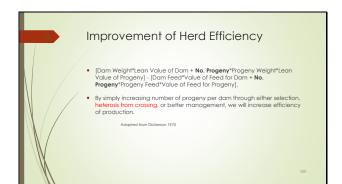






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Summary Data is constantly growing Genetic evaluations are becoming more accurate The need for phenotyping has not gone away The "old" tools should still be used (e.g., EPD and selection indexes)—they are simply more accurate now

Thank you	
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Nebraska Lincoln	
Lincoln	