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**Animal Science Department** 

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## Challenges with Heifer Selection - HOW MANY Should I Breed, and What are they worth?

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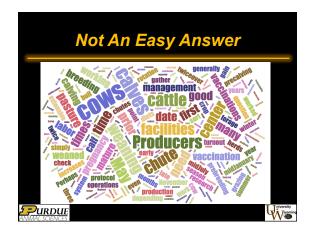
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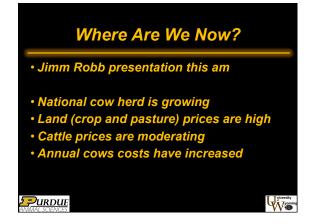
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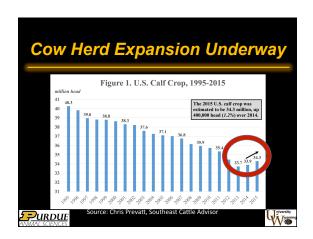


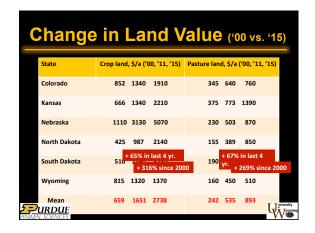
You got to know when to hold 'em, know when to fold 'em...
Know when to walk away and know when to run.

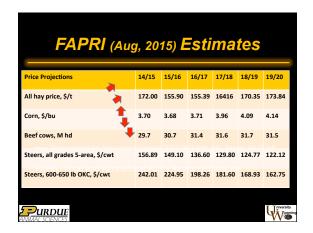
~ Kenny Rogers "The Gambler"

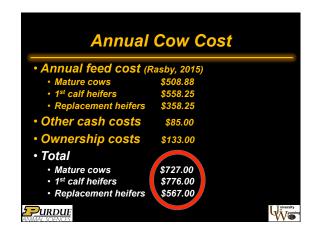




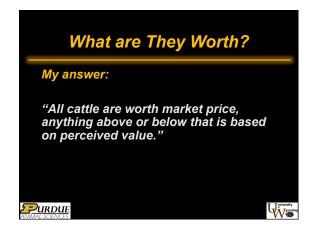


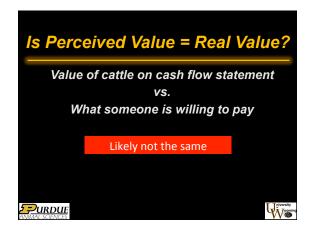


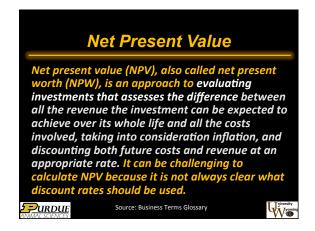




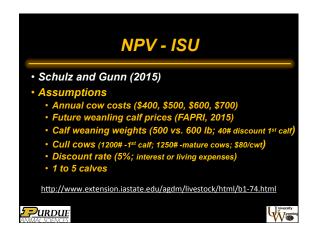


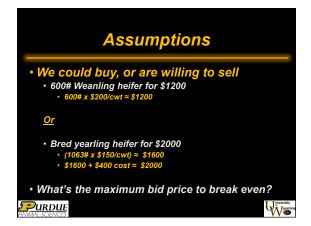


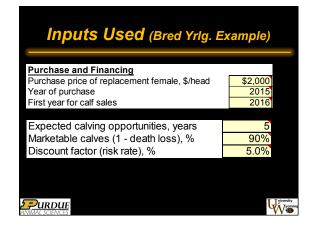


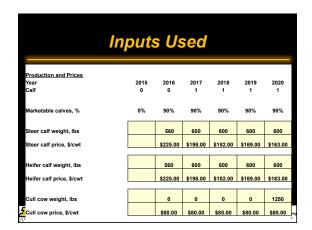


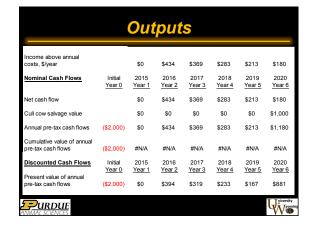


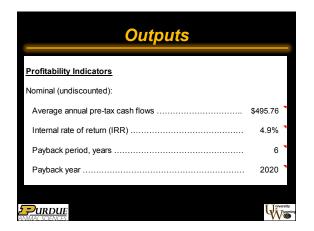


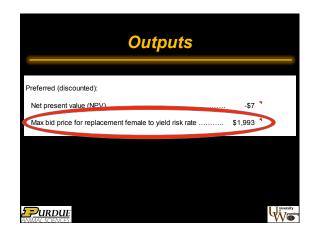


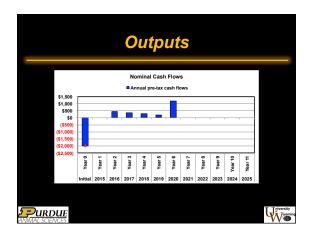








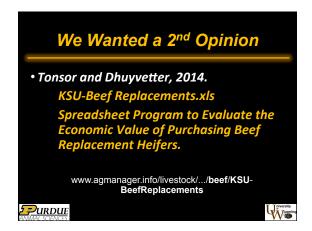


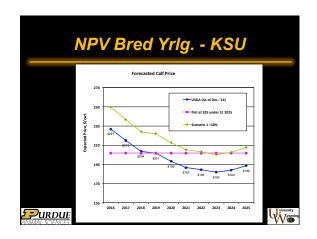


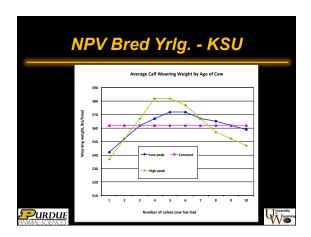


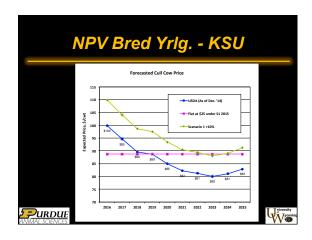












NPV Bred Yrlg KSU								
Input Assumptions								
Number of replacements purchased	100	Percent marketable calves	97.0%					
Year of purchase	2015	Annual cow death loss	0.5%					
First year for calf sales	2016	Annual cull rate	15.0%					
Cull cow weight, lbs/hd	1,250							
Annual cow costs, \$/year	\$400	Annual inflation rate on costs	1.0%					
Price scenario to use (USDA-Dec. '14)	1	Annual increase in wwt.	0.0%					
Weaning weight scenario to use (1)	1	Discount rate (interest rate)	5.0%					

NPV Wnlg. Heifer - KSU						
		Results				
	Annual Cow Cost					
Calf No.	\$400	\$500	\$600	\$700		
1	1833	1737	1645	1552		
2	2183	2015	1847	1680		
3	2354	2125	1896	1667		
4	2430	2152	1873	1595		
5	2386	2067	1748	1429		
6	2266	1915	1563	1211		
7	2099	1720	1342	963		
8	1891	1491	1091	691		
9	1663	1246	828	410		
10	1422	990	557	125		
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