

Goals for heifer development?

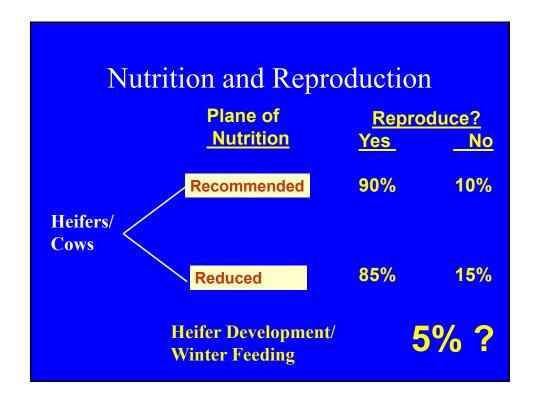
- Get as many bred as possible
 Target weight or condition
- Cost
- Lifetime production efficiency

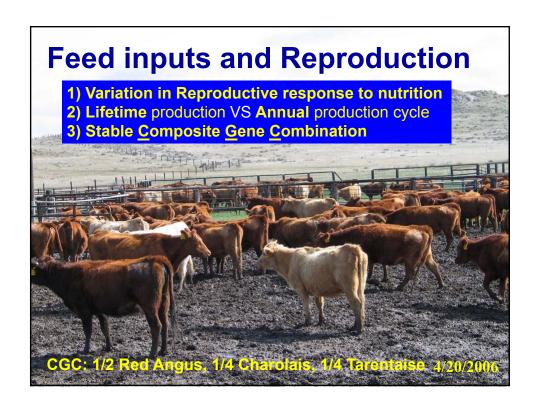
Production Efficiency

Input: Feed (cost & amount)

Replacement Rate

Output: Lifetime productivity







Pregnancy rates in cows

Adequate

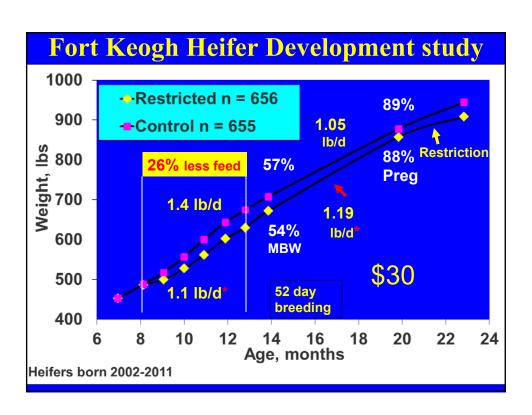
• 90.4 %

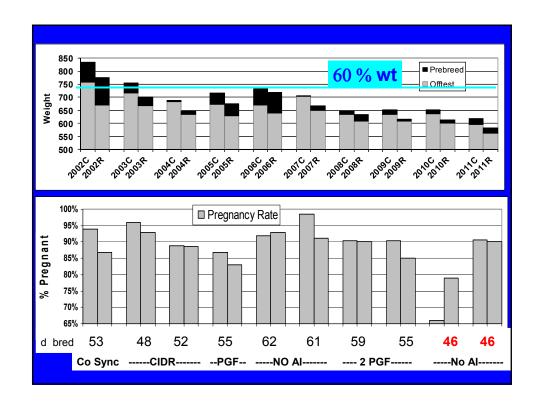
• 962 hd

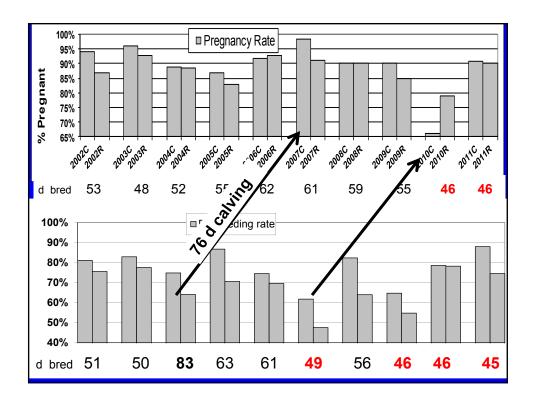
Marginal

- 88.9 %
- 1117 hd









Open vs. Pregnant heifers

- Born 4 days later (36 vs 47 % in 1st 21 d)
- BW 2 lbs heavier
- After wean: Eat less and grow slower (lighter, less fat, smaller REA)
- 17 & 43 lbs lighter at breeding & preg test, but no difference in hip ht.

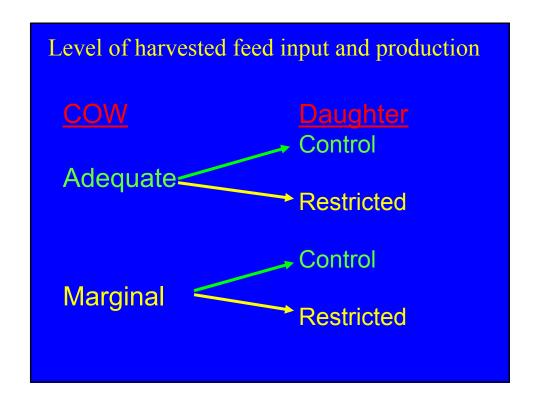
Similar characteristics to open 2yr olds

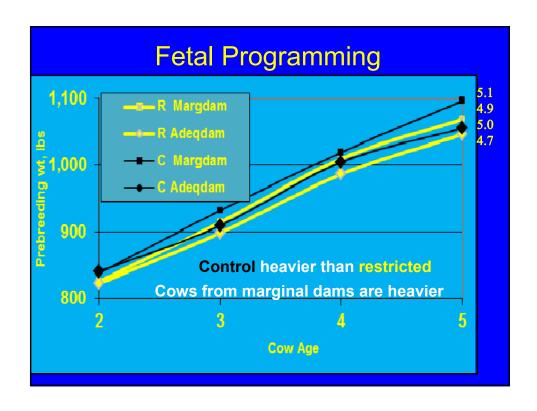
Any desirable traits on open heifers?

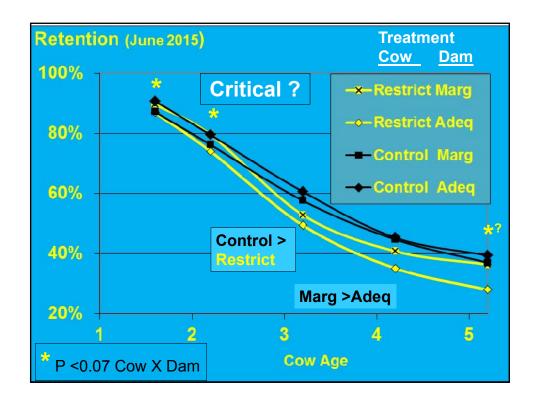
YEAR biggest factor in almost everything measured!

Keep it flexible

Shorten breeding season?







Dam treatment	Cow treatment	Calf birth wt	Calf wean wt	
Adequate	Control	77	449	
Marginal	Control	77	442	
Adequate	Restricted	77	444	
Marginal	Restricted	74	431	

How we feed our cows this winter can affect how their offspring responds to nutritional limitations.



