

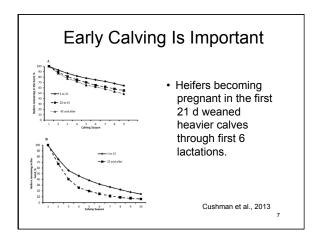




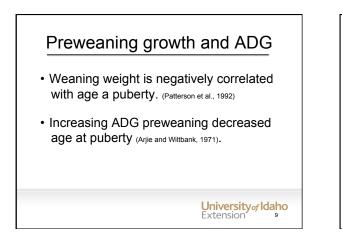


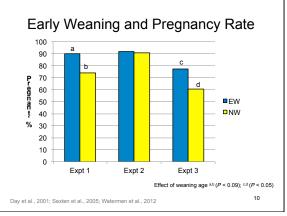
A pregnant heifer is not the same as an early pregnant heifer

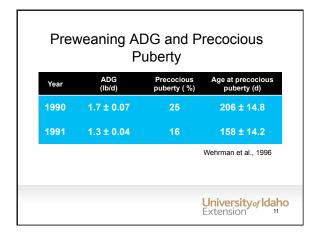
> University of Idaho Extension 6

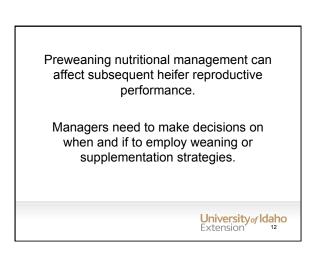






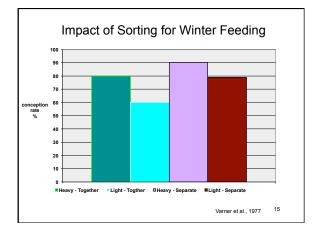






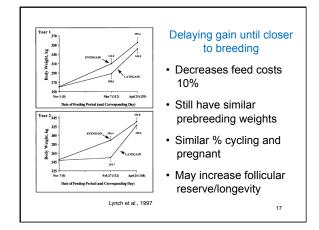


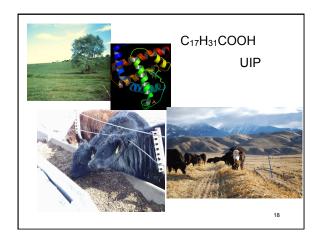
	Low	Medium	High
Gain lb/day	0.5	1.0	1.5
Age at first estrus	434	412	388
Weight at first estrus	523	545	563
Conception rate first 20 days of breeding season	30%	62%	60%
Overall conception rate	50%	86%	87%
		Adapted from Shor	t and Bellows, 1971
 Heifers should g weaning until bit 		1.75 lb per da	y from
		I had some	sity of Idaho

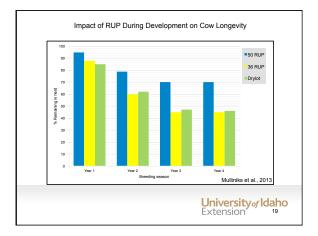


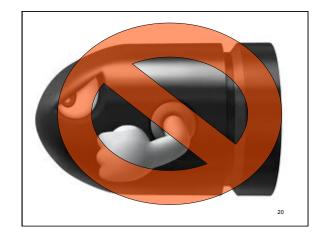
Study		Pattern of Gain			
	No. of heifers	Even gain	Slow - Fast	Fast - Slow	Fast-Slow- Fast
Clanton et al., 1983	180	82.0 %	75.0 %	73.0 %	
Lynch et al., 1997	160	87.4 %	87.2 %		
Poland et al., 1998	96	75.0 %			89.6 %
Grings et al., 1999	210	81.8 %			86.6 %

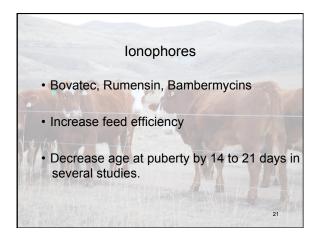
Impact of pattern of gain on pregnancy rates



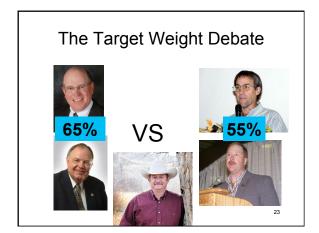


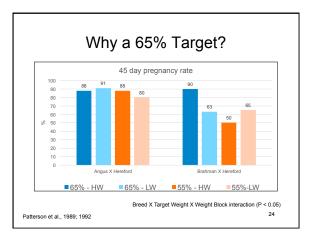


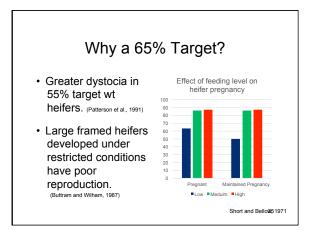


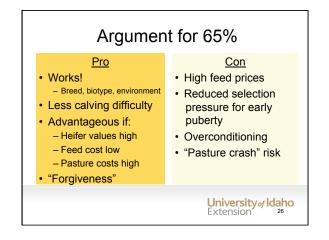


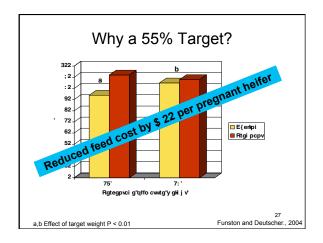


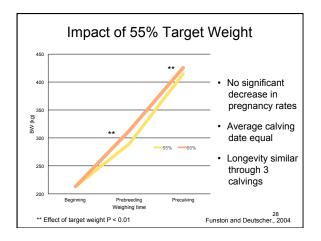






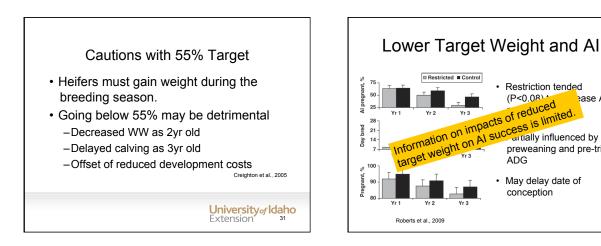


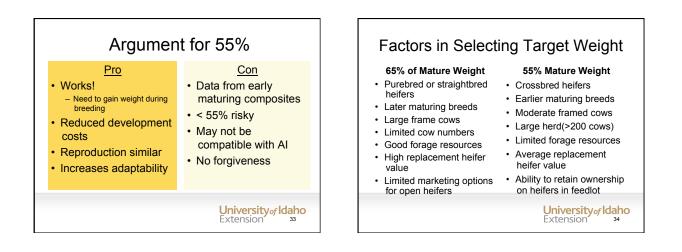














impact	Reprodu	oment Systen ction and Gai nan et al., 2017		
 Range = upla Corn Res = 0 Drylot Hi = 74 Drylot Lo = 83 	Corn residu 1% hay + 2	ue + protein 21% Wet CGI		
	-			
	Range	Corn Res	Drylot Hi	Drylot Lo
Development ADG	Range 0.97	Corn Res 0.89	Drylot Hi 1.57	Drylot Lo 1.26
Development ADG % Mature weight				
	0.97	0.89	1.57	1.26
% Mature weight	0.97 59	0.89 60	1.57 67	1.26 63

(P<0.08) + of reduced

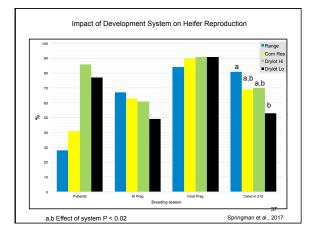
conception

anally influenced by

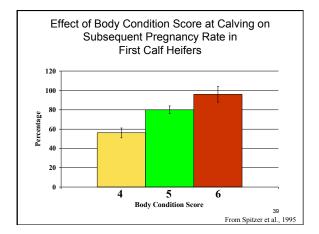
preweaning and pre-trial

ase Al

32







Effect of BCS at Calving on Cumulative Pregnancy Rates

	BCS	d 20	d 40	d 60		
		Cumu	lative % Pr	egnant		
Mature	≤ 4	41	67	84		
Cows	≥ 5	51	79	91		
		Cumulative % Pregnant				
First	4	27	43	56		
Calf	5	35	65	80		
Heifers	6	47	90	96		

Summary

- Select early born replacements
- Monitor pre-weaning environment
- Choose target weight for your operation

41

- Develop post-weaning nutritional plan
- Feed for the cow environment
- Use reproductive technologies

