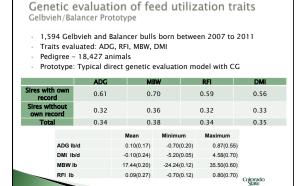
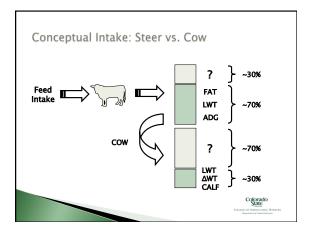


	r and Met eters for F	,			
	ntake and utiliz bjective and m ntry				
√ Amo	ount of data evalu	lated			
√ Amo	ount of data evalu	iated	Resu	ilts	
√ Amo	ount of data evalu	MBW	Resu DMI	ilts ADG	FCR
√ Amo					
	RFI	MBW	DMI	ADG	0.65(0.10)
RFI	RFI	MBW 0.25(0.09)	DMI 0.67(0.12)	ADG 0.04(0.08) 0.33(0.06)	0.65(0.10) 0.24(0.04)
RFI MBW	RFI	MBW 0.25(0.09)	DMI 0.67(0.12) 0.36(0.04)	ADG 0.04(0.08) 0.33(0.06)	0.65(0.10) 0.24(0.04) 0.34(0.13)

Colorado State

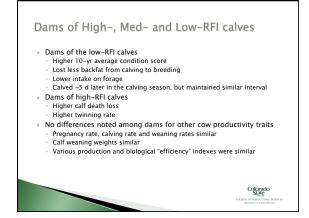




"Efficiency" in Cows In Australia, RFI in heifers had a 0.95 genetic correlation with RFI easured again when they were nearly mature (open) dams In the the sea were drylot-base Effetively shows repeatability within animal The main issue with a measure of efficiency in cows is as a correlated trait Most selection on replacements and sires Besigns are to detect antagonisms Eves studies have reported or predicted the effects of intake or efficiency selection on the total system Archer et al., 1998 Their basic question was what could be said about the mothers of low RFI versus high RFI calves

Retrospective Study: Cow Traits

		Progeny RFI group				
Traits	Overall	Low (Efficient)	Medium (Average)	High (Inefficient)	Р	
Cows (1996-06)	136	33	62	41		
Pregnancy rate Twinning rate Dystocia Calving rate Weaning rate Cow backfat, mm	95.61 1.43 1.29 84.76 81.22	95.61 0.00 2.87 84.88 81.46 9.1	95.27 0.35 0.71 83.43 80.18 7.8	96.03 3.77 0.84 86.28 82.31 7.2	0.900 <0.001 0.103 0.619 0.793 0.004	
Δ fat, Clv \rightarrow Brd		-0.67	-0.79	-0.79	0.042	
Julian calving day	90	92	87	88	0.008	
Cow intake Cow RFI	11.72	10.80 -0.05	11.30 0.44	12.22 1.88	0.003 0.018	
Adapted from Table	es 5–7, Basa	rab et al., 2007			Colorado	
				Cou	Colorado Literativ See or Achecolitume, Scient Department of Arimal Informer	



Summary Thoughts

- Intake and efficiency development will benefit from both phenotypic and genomic approaches
- Standard guidelines for intake recording will be available to improve consistency in data collection
- Reporting of genetic values for intake and its components will likely be determined by breed groups
- The primary limitation of national evaluation of intake and related inputs has been and will be data density
- Selection and improvement of efficiency must be considered within the multiple trait context



