











Nethod	More Desirable	Less Desirable	Difference
Raw F:G – Raw Feed Conversion: usually on dry matter basis (lbs feed/ b of gain)	Lower values Example: 4.5 lbs	Higher values Example 7.5 lbs	Example: 3.0 lbs of feed
Adj. F:G – Adjusted Feed Conver- sion: usually on dry matter basis (ibs feed/b of gain)	Lower values Example: 4.5 lbs	Higher values Example: 6.5 lbs	Example: 2 lbs of dry matter
RFI – Residual Feed Intake: usually on dry matter basis	Negative values Example: -1.7	Positive values Example: +1.5	Example: 3.2 lbs of feed
R-ADG – Residual Average Daily Gain: usually on Ibs gained per day	Positive values Example: +0.86	Negative values Example:63	Example: 1.49 lbs of aver- age daily gain
Adj. DMI – Adjusted Dry Matter In- take: should be on dry matter basis	Negative values Example: -0.9	Positive values Example: +0.8	Example: 1.7 lbs of feed

















Wh	What Role Does Genetics Play?							
		ADG	DMI	RFI	G:F			
	ADG	0.26	0.56	-0.15	0.31			
	DMI		0.40	0.66	-0.60			
	RFI			0.52	-0.92			
	G:F				0.27			



Rolte et al. (2011) Predicted responses per generation in dry matter intake for 140 days (DMI) and total body weight gain for 140 days (GAIN) following various selection criteria.					
DMI	Down	-56.7	-5.4		
GAIN	Up	+26.3	+7.5		
G:F	Up	-27.5	+2.4		
t <sub>i</sub>	Down	-44.6	+1.9		
I <sub>2</sub>	Down	-38.5	0		
I <sub>3</sub>	Down	-12.4	+5.4		
I4	Down	0	+7.7		



- Phenotypic RFI
- □ Genetic RFI
- $\hfill\square$  Economic index of DMI and GAIN
- $\hfill\square$  Economic index of RFI and Gain



















