



Let Apple and a	B ↓ ▼F ✓		
	RFI < 0.00 Efficient	RFI > 0.00 Inefficient	P-value
Intake per d, lb	21.7	25.5	<0.001
Total 84-d intake, Ib	2121.9	2511.0	<0.001
Total 84-d gain, lb	264	270	>0.470
Feeding Events per d	5.56	6.22	<0.001
Carcass fat, in	0.28	0.30	<0.110
Lean Yield, %	59.93	59.47	>0.240
Marbling score	Select 80	Select 75	>0.640

Agriculture Agri-Food	and Agriculture e Canada Agroalimentz	t ire Canada	Canadä	B		
Desirable properties of NCE traits: How does residual intake stack up?						
Property: Direct effect on cost/income Easily measured Stable genetic parameters High data density Little genetic antagonism Measured earlier in life EPD are user-friendly Large genetic variance	RFI: Yes No Yes, but Relatively Sort of Yes	Comments: RFI can be thought of as "adjusted" intake Requires individual feed intake Heritability ~ 0.40 across most studies Reduced by reliance on intake We can force independence, <u>this is a non-is</u> Vearling or near-yearling ages is most comm Remember negative is better 2 30% of intake variance is "residual"		usted" intake e it studies <u>his is a non-issue</u> is most common ssidual"		

Agerfood	and Agriculture et Canada Agroalimentaire Canada	Canadă B	
RFI Genetic Correl	Ra(RET)	Reference	
Feed Conversion Ratio	0.70	Herd and Bishop (2000) Arthur et al. (2001a,b)	
Feed Conversion Ratio	0.85		
Feed Intake	0.64		
Feed Intake	0.79		
Back Fat	0.17		
Live weight	0.32	Arthur et al. (2001b)	
ADG	0.10		
Carcass REA	-0.17	Schenkel et al. (2004)	
Carcass marbling score	-0.44	Crews et al. (2003a)	













