

**EVERYONE CLAIMS FEED EFFICIENCY.
WE PROVE IT.**



GREAT BASIN BULL SALE RFI DATA





UNDERSTANDING FEED EFFICIENCY DATA – AN EXPLANATION OF

- ✓ **RESIDUAL FEED INTAKE**
- ✓ **ADJUSTMENT TO FEED BILL**
- ✓ **EFFICIENCY EPDS**

RFI = RESIDUAL FEED INTAKE

- RFI is the difference between actual intake and expected intake.
- Actual intake is measured at Snyder Livestock on *Growsafe*® equipment. We actually know how much each bull eats each day during the 70-day test.
- Animal scientists calculate expected intake for us. It is based upon average size, gain, and consumption for the entire test group.
- Negative numbers are good. A bull with a -3.5 RFI ate 3.5 pounds less each day than we expected – based upon his size and his rate of gain.

ADJUSTMENT TO FEED BILL IN 112 DAY TEST

- We simply used the RFI number to calculate an adjustment to the feed bill.
- We multiply the RFI X the ration cost X 112 days.
- For example: -3.5 RFI X \$233 per ton X 112 days = -\$72.91
- This means that in 112 days, this bull *did not eat* \$72.91 worth of feed.

EFFICIENCY EPDS

Efficiency EPDs are now available. We are including Dry Matter Intake (DMI) EPD and Residual Feed Intake (RFI) EPD. For both EPDs, negative numbers are preferable. Negative DMI EPDs predict offspring that will consume less feed. Negative RFI EPDs predict offspring with lower intake at a given performance level.

Sale Lot	Points Rank	RFI	Feed Bill Adjustment in 112 Days	Test Group RFI Rank	RFI EPD	RFI EPD Accuracy
Angus						
1	61	2.03	\$42.58	20	0.42	0.23
2	52	-1.48	-\$31.04	5	-0.10	0.24
3	45	-1.76	-\$36.92	4	-0.17	0.23
4	53	-0.44	-\$9.23	9	0.00	0.23
5	67	1.87	\$39.22	19	0.37	0.18
6	50	-3.48	-\$72.99	1	-0.41	0.17
7	68	1.34	\$28.11	17	0.26	0.17
8	55	0.77	\$16.15	16	0.30	0.17
9	17	-0.60	-\$12.58	7	0.23	0.26
11	15	-0.46	-\$9.65	8	-0.19	0.27
12	11	-3.00	-\$62.92	2	-0.28	0.24
14	34	-0.24	-\$5.03	10	-0.04	0.25
15	58	0.18	\$3.78	12	0.10	0.25
16	41	0.64	\$13.42	14	0.32	0.20
18	35					‡
19	39	0.66	\$13.84	15	0.08	0.16
20	59					‡
21	19	0.64	\$13.42	13	-0.01	0.22
25	66	4.89	\$100.77	6	0.80	0.18
26	27	-1.90	-\$39.15	2	-0.25	0.18
28	30	-1.21	-\$24.93	3	-0.08	0.18
29	57	-0.35	-\$7.21	4	0.13	0.05
30	56	2.38	\$49.05	37	0.48	0.21
31	43	1.08	\$22.26	31	0.24	0.21
32	69	0.86	\$17.72	29	0.24	0.17
33	48	-0.29	-\$5.98	16	0.12	0.16
34	31	0.29	\$5.98	22	0.13	0.21
35	46	1.48	\$30.50	35	0.18	0.20
36	64	1.37	\$28.23	34	0.23	0.21
38	49					‡
44	14	-0.29	-\$5.98	15	0.15	0.21
46	42	0.82	\$16.90	28	0.33	0.25

Green numbers (-) are a feed bill decrease, red numbers (+) are a feed bill increase.
‡ RFI data unavailable.

Sale Lot	Points Rank	RFI	Feed Bill Adjustment in 112 Days	Test Group RFI Rank	RFI EPD	RFI EPD Accuracy
47	47	1.65	\$34.00	36	0.37	0.23
48	9					‡
49	44	0.77	\$15.87	27	0.46	0.11
50	4	-1.70	-\$35.03	4	-0.41	0.22
51	37	0.57	\$11.75	23	0.18	0.23
52	21	-0.49	-\$10.10	12	0.02	0.23
53	25	-0.42	-\$8.66	14	-0.08	0.26
54	40	0.15	\$3.09	20	0.26	0.15
55	12	-2.34	-\$48.22	1	-0.23	0.15
56	23	-0.84	-\$17.31	9	0.25	0.13
57	28	-2.05	-\$42.24	3	-0.00	0.11
59	18	-0.44	-\$9.07	13	-0.07	0.20
60	20	0.11	\$2.27	19	-0.03	0.22
61	24	0.22	\$4.53	21	-0.02	0.20
62	29	-0.97	-\$19.99	7	-0.15	0.17
63	54	2.45	\$50.49	38	0.52	0.19
64	65				-0.44	0.19 ‡
65	63	1.34	\$27.61	33	0.16	0.21
70	70	1.43	\$29.47	5	0.30	0.12
Brangus						
90	32	1.06	\$21.84	30	0.24	0.17
Charolais						
71	16	-2.62	-\$53.99	1	-0.64	0.15
73	10	-0.90	-\$18.55	8	-0.45	0.21
74	7	-1.30	-\$26.79	5	-0.53	0.20
75	22	0.66	\$13.60	24	-0.12	0.23
76	13	-0.64	-\$13.19	11	-0.46	0.22
77	5					‡
78	8	-2.25	-\$46.37	2	-0.63	0.21
79	51					‡
81	60	1.34	\$27.61	32	-0.07	0.23
82	1	-1.21	-\$24.93	6	-0.57	0.21

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Gelbvieh						
66	2	-0.79	-\$16.28	10	-0.01	0.23
67	38	0.73	\$15.04	26	0.29	0.21
68	33	0.66	\$13.60	25	0.16	0.11
69	26	-0.09	-\$1.85	17	0.19	0.22
Hereford						
83	3	0.02	\$0.41	18	0.06	0.16
LimFlex						
85	6	-0.84	-\$17.62	6	-0.21	0.24
86	36	-1.96	-\$41.11	3	-0.19	0.22
88	71	1.79	\$37.54	18	0.08	0.24
SimAngus						
89	62	0.15	\$3.15	11	-0.06	0.20

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