



PERFORMANCE NOTES



Actual birth weights are presented for those herds that obtain birth weights.

Actual weaning weight is a measure of pre-weaning growth rate on the ranch and should not be widely compared across test group because variation in management and pasture conditions on the the ranch of origin will affect these weights.

Adjusted weaning weights (**Adj. 205-Day Wt.**) are weaning weights adjusted to a common age (205 days) and then adjusted for differences in the age of dam of the calf according to Beef Improvement Federation (BIF) guidelines.

Adjusted 365-Day weight is a yearling weight adjusted to a common age (365 days).

Final frame score is an objective, numerical description of cattle skeletal size which reflects the growth pattern and potential mature size of an animal. Cattle with lower frame scores tend to mature at lower weights. Individual hip height measurements are taken at the beginning and end of the test. The final hip height is used in the BIF equation to calculate the frame score for each bull in this report. Note: Although we make every effort to obtain accurate hip height measurements, these measurements contain some degree of error. Therefore, we caution you to view these frame scores as relative descriptions and not an absolute measurement.

Initial (**Init. Wt.**) test weight is an average of two weights taken on successive days at the beginning of the testing period.

Final weight (**Final Wt.**) test weight is an average of two weights taken on successive days at the end of the testing period.

Weight-per-day-of-age (**WDA**) provides a measure of lifetime growth rate. This overall measurement is very helpful when compared along with test gain figures. If WDA and ADG are very nearly alike, you probably have a reliable estimate of growth rate. A low WDA and high ADG indicate some compensatory gain during the test. A higher WDA than ADG may suggest that the earlier growth was due to good milk production by the dam or creep feeding of the calf before the test, and that the genetic ability for growth was less.

Weight-per-day-of-age ratio (**WDA ratio**) is an expression of a bulls performance for WDA relative to the performance of other bulls within an index (i.e. breed) group. It is computed by dividing an individual animal's WDA by the average WDA of the index group, and multiplying by 100. The average of an index group is 100.

Average daily gain (**ADG**) is a measure of growth rate during the period when the bulls are being fed a common ration under test conditions. Selection for 112-day gain should improve weaning weights and feedlot performance because some of the genes which affect feedlot growth rate also affect pre-weaning growth rate.

Average daily gain ratio (**ADG ratio**) is an expression of a bulls performance for ADG (during the testing period) relative to the performance of other bulls within an index (i.e. breed) group. It is computed by dividing an individual animal's ADG by the average ADG of the index group, and multiplying by 100. The average of an index group is 100.

Pen Feed Efficiency (F:G) is expressed as the pounds of feed required to produce a pound of body weight gain. This figure is calculated on a pen basis. A lower F:G suggests fewer pounds of feed are required to produce a pound of gain.

Feed efficiency ratio is an expression of the performance of a pen of bulls for F:G (during the testing period) relative to the performance of other bulls within an index (i.e. breed) group. It is computed by dividing a pen of bull's average F:G by the average F:G of the index group, and multiplying by 100. The average of an index group is 100.

Test Index is used to define the highest performing individuals and sires within a breed based on the performance traits (WDA, ADG, and F:G) measured during the testing period. The reported test index for each animal is computed by using the following equation: Test index = 40%WDA Ratio+40%ADG Ratio+20% Pen F:G Ratio. A higher test index number is an indicator of superior performance during the testing period for WDA, ADG, and F:G for an individual or sire.

Your Genetic Route to Profitability!

2011-12 Tucumcari Bull Test - 112-Day Report

BREED	NO.	BW	112-DAY BW	WDA	ADG
Angus	27	656	1098	2.99	3.94
Hereford	12	532	965	2.85	3.86
Charolais	15	617	1073	2.96	4.07
All Bulls	54	618	1062	2.95	3.96

TOP 25% INDEXING INDIVIDUALS WITHIN BREED DIVISION

ANGUS

ID	REGISTERED NAME	SIRE	GENETIC SUPPLIER	TEST INDEX
1-1	J-C FUTURE DIRECTION 1110	B/R Future Direction 6171	J-C Angus Ranch	118.30
6-1	MILLER PENDLETON 175	Miller Pendleton 975	Miller Angus	118.03
1-2	J-C FUTURE DIRECTION 1141	B/R Future Direction 6171	J-C Angus Ranch	115.36
5-2	MILLER PENDLETON 148	Miller Pendleton 975	Miller Angus	112.32
6-2	MILLER PENDLETON 145	Miller Pendleton 975	Miller Angus	111.71
5-1	MILLER PENDLETON 125	Miller Pendleton 975	Miller Angus	111.37
7-1	MLL DAYBREAK 1518	MCC DAYBREAK	McKenzie Land & Livestock	110.49

HEREFORD

ID	REGISTERED NAME	SIRE	GENETIC SUPPLIER	TEST INDEX
11-2	RA STANDARD DOMINO 1136	TRL DOMINO DUKE TU47	Abercrombie Ranch	114.68
11-1	RA ROCKY DOMINO 07	TRL DOMINO DUKE TU47	Abercrombie Ranch	112.22
13-2	TRL DOUBLE DOMINO YT22	TRL STRIKER DOMINO TN15	Cornerstone Ranch, Inc.	103.03

CHAROLAIS

ID	REGISTERED NAME	SIRE	GENETIC SUPPLIER	TEST INDEX
15-2	WK SILVER DYNASTY	BJR SIR SILVER 544P	WK Ranch	113.33
15-1	WK SILVER CADET	BJR SIR SILVER 544P	WK Ranch	110.70
16-3	DSC NM WIND 127	WB OK SOONER WIND	D&J Cattle	107.21
14-1	WK SILVER COOL RANCHER	BJR SIR SILVER 544P	WK Ranch	106.64

RANKED SIRE GROUPS BY TEST INDEX WITHIN BREED DIVISION

ANGUS SIRES

PEN	REGISTERED NAME	SIRE	GENETIC SUPPLIER	TEST INDEX
1	B/R Future Direction 6171	C A Future Direction 5321	J-C Angus Ranch	113.85
5	Miller Pendleton 975	HARB PENDLETON 765 J H	Miller Angus	109.21
7	MCC DAYBREAK	BOYD NEW DAY 8005	McKenzie Land & Livestock	104.44
3	GAR OBJECTIVE 561	SS OBJECTIVE T510 OT26	Sanchez Angus Cattle & Farm	102.76
2	J-C SS Objective 0852	S S Objective T510 OT26	J-C Angus Ranch	97.44

HEREFORD SIRES

PEN	REGISTERED NAME	SIRE	GENETIC SUPPLIER	TEST INDEX
13	TRL STRIKER DOMINO TN15	UPS DOMINO 4040	Cornerstone Ranch, Inc.	100.31
12	TRL KG DOM TU 77	UPS DOMINO 4079	Abercrombie Ranch	93.72

CHAROLAIS SIRES

PEN	REGISTERED NAME	SIRE	GENETIC SUPPLIER	TEST INDEX
15	BJR SIR SILVER 544P	NWMSU DOC SILVER 362 PLD	WK Ranch	105.42
18	GRAU UNION PACIFIC X40	GCR DAREDEVIL SUPREME ET	Grau Charolais	96.50
17	GRAU THICK TOP X83	GCR DAREDEVIL SUPREME ET	Grau Charolais	95.56

2011-12 Tucumcari Bull Test - 112-Day Report

TOP 25% INDIVIDUALS for WDA and ADG WITHIN BREED DIVISION

ANGUS

ID	SIRE	GENETIC SUPPLIER	WDA	RATIO	ID	SIRE	GENETIC SUPPLIER	ADG	RATIO
6-1	Miller Pendleton 975	Miller Angus	3.37	112.72	1-1	B/R Future Direction 6171	J-C Angus Ranch	4.80	121.71
5-1	Miller Pendleton 975	Miller Angus	3.28	109.76	6-1	Miller Pendleton 975	Miller Angus	4.73	120.02
1-1	B/R Future Direction 6171	J-C Angus Ranch	3.27	109.22	1-2	B/R Future Direction 6171	J-C Angus Ranch	4.70	119.11
3-1	GAR OBJECTIVE 561	Sanchez Angus Cattle & Farm	3.24	108.10	7-1	MCC DAYBREAK	McKenzie Land & Livestock	4.62	117.18
7-1	MCC DAYBREAK	McKenzie Land & Livestock	3.20	106.90	6-2	Miller Pendleton 975	Miller Angus	4.50	114.24
5-2	Miller Pendleton 975	Miller Angus	3.20	106.83	5-2	Miller Pendleton 975	Miller Angus	4.49	113.79
1-2	B/R Future Direction 6171	J-C Angus Ranch	3.13	104.48	7-2	MCC DAYBREAK	McKenzie Land & Livestock	4.46	113.22

HEREFORD

ID	SIRE	GENETIC SUPPLIER	WDA	RATIO	ID	SIRE	GENETIC SUPPLIER	ADG	RATIO
11-2	TRL DOMINO DUKE TU47	Abercrombie Ranch	3.36	117.80	13-2	TRL STRIKER DOMINO TN15	Cornerstone Ranch, Inc.	4.32	111.85
11-1	TRL DOMINO DUKE TU47	Abercrombie Ranch	3.17	111.20	13-3	TRL STRIKER DOMINO TN15	Cornerstone Ranch, Inc.	4.25	110.12
10-2	TRL DOMINO DUKE TU47	Abercrombie Ranch	3.05	106.86	11-1	TRL DOMINO DUKE TU47	Abercrombie Ranch	4.21	108.85

CHAROLAIS

ID	SIRE	GENETIC SUPPLIER	WDA	RATIO	ID	SIRE	GENETIC SUPPLIER	ADG	RATIO
15-2	BJR SIR SILVER 544P	WK Ranch	3.34	112.86	15-1	BJR SIR SILVER 544P	WK Ranch	4.97	122.10
16-3	WB OK SOONER WIND	D&J Cattle	3.32	112.17	15-2	BJR SIR SILVER 544P	WK Ranch	4.83	118.70
16-1	SHC CIGAR C11 POLL	D&J Cattle	3.14	106.26	14-1	BJR SIR SILVER 544P	WK Ranch	4.80	117.93
16-2	SHC CIGAR C11 POLL	D&J Cattle	3.12	105.31	16-2	SHC CIGAR C11 POLL	D&J Cattle	4.26	104.56

RANKED SIRE GROUPS for WDA and ADG WITHIN BREED DIVISION

ANGUS SIRES

PEN	SIRE	GENETIC SUPPLIER	WDA	RATIO	PEN	SIRE	GENETIC SUPPLIER	ADG	RATIO
5	Miller Pendleton 975	Miller Angus	3.16	105.73	1	B/R Future Direction 6171	J-C Angus Ranch	4.56	115.60
1	B/R Future Direction 6171	J-C Angus Ranch	3.12	104.19	7	MCC DAYBREAK	McKenzie Land & Livestock	4.36	110.54
3	GAR OBJECTIVE 561	Sanchez Angus Cattle & Farm	3.11	104.06	5	Miller Pendleton 975	Miller Angus	4.22	107.11
2	J-C SS Objective 0852	J-C Angus Ranch	2.96	98.80	3	GAR OBJECTIVE 561	Sanchez Angus Cattle & Farm	4.06	103.03
7	MCC DAYBREAK	McKenzie Land & Livestock	2.95	98.42	2	J-C SS Objective 0852	J-C Angus Ranch	3.85	97.52

HEREFORD SIRES

PEN	SIRE	GENETIC SUPPLIER	WDA	RATIO	PEN	SIRE	GENETIC SUPPLIER	ADG	RATIO
12	TRL KG DOM TU 77	Abercrombie Ranch	2.83	99.33	13	TRL STRIKER DOMINO TN15	Cornerstone Ranch, Inc.	4.16	107.66
13	TRL STRIKER DOMINO TN15	Cornerstone Ranch, Inc.	2.62	91.84	12	TRL KG DOM TU 77	Abercrombie Ranch	3.47	89.81

CHAROLAIS SIRES

PEN	SIRE	GENETIC SUPPLIER	WDA	RATIO	PEN	SIRE	GENETIC SUPPLIER	ADG	RATIO
15	BJR SIR SILVER 544P	WK Ranch	3.00	101.32	15	BJR SIR SILVER 544P	WK Ranch	4.50	110.48
17	GRAU THICK TOP X83	Grau Charolais	2.89	97.78	17	GRAU UNION PACIFIC X40	Grau Charolais	3.83	94.04
18	GRAU UNION PACIFIC X40	Grau Charolais	2.86	96.64	18	GRAU THICK TOP X83	Grau Charolais	3.76	92.21

2011-12 Tucumcari Bull Test - 112-Day Report

Bulls born between January and April 2011

TBT	Ranch	Date	Actual	Act.	Adj.	Adj. 365-	Sire Name	Final	Initial	Final				Pen	Final			
		of Birth	Weaning	Weaning	Day	Frame		Body	Body	WDA	ADG	Pen	F:G	Test				
		ID	ID	Tattoo	Birth	Weight		Score	Weight	Weight	WDA	Ratio	ADG	Ratio	F:G	Ratio	Index	
ANGUS																		
J-C Angus Ranch - Moriarty, NM																		
1-1	837	1110	3/17	80	565	593	42098	B/R Future Direction 6171	4.7	600	1138	3.27	109.2	4.80	121.7	5.28	129.6	
1-2	M26	1141	3/26	86	530	563	42045	B/R Future Direction 6171	5.8	534	1060	3.13	104.5	4.70	119.1		115.4	
1-3	621	1139	2/23	84	575	528	41992	B/R Future Direction 6171	5.6	627	1095	2.96	98.9	4.18	106.0		107.9	
				Sire Average	83	557	561	42045		5.4	587	1098	3.12	104.2	4.56	115.6		113.8
J-C Angus Ranch - Moriarty, NM																		
2-1	F21	1134	2/21	83	630	575	42055	J-C SS Objective 0852	5.9	688	1135	3.05	101.9	3.99	101.2		100.2	
2-2	889	1140	2/26	71	590	587	41986	J-C SS Objective 0852	4.7	643	1050	2.86	95.6	3.63	92.2		94.0	
2-3	F28	1105	2/28	78	630	585	42022	J-C SS Objective 0852	4.7	642	1080	2.96	98.9	3.91	99.2		98.1	
				Sire Average	77	617	582	42021		5.1	658	1088	2.96	98.8	3.85	97.5		97.4
Sanchez Angus Cattle and Farm - Belen, NM																		
3-1	417	1144	2/19	69	685	597	1183	GAR OBJECTIVE 561	5.3	723	1210	3.24	108.1	4.35	110.3		107.3	
3-2	825	1127	4/1	86	525	583	1123	B/R FUTURE DIRECTION 6171	4.4	587	1033	3.10	103.6	3.98	100.9		101.7	
3-3	848	1145	3/17	84	615	637	1116	GAR OBJECTIVE 561	4.9	641	1068	3.07	102.5	3.81	96.6		99.6	
3-4	320	1143	2/4	71	675	558	1114	GAR OBJECTIVE 561	4.1	731	1183	3.04	101.6	4.03	102.2		101.5	
				Sire Average	75	658	597	1137		4.8	698	1153	3.11	104.1	4.06	103.0		102.8
McCall Land & Cattle - Moriarty, NM																		
4-1	1010	1010	2/6	77	800	712	1122	SYDGEN MANDATE 6079	4.7	827	1185	3.06	102.3	3.20	81.1		91.2	
4-2	1009	1009	2/5	72	795	704	1067	Hoover Dam	4.2	803	1130	2.91	97.3	2.92	74.0		86.4	
4-3	1004	1004	1/5	59	755	627	983	JSAR Mr. Bando 1029 29CFMT	4.3	800	1120	2.67	89.3	2.86	72.5		82.6	
4-4	1001	1001	1/3	73	600	470	1063	JSAR Mr. Bando 1029 29CFMT	5.3	808	1215	2.89	96.4	3.63	92.2		93.3	
Miller Angus - Floyd, NM																		
5-1	125	125	3/21	84	580	575	1194	Miller Pendleton 975	5.7	651	1130	3.28	109.8	4.28	108.5		111.4	
5-2	148	148	3/28	86	570	582	1160	Miller Pendleton 975	5.6	575	1078	3.20	106.8	4.49	113.8		112.3	
5-3	170	170	3/31	73	510	528	1092	Miller Pendleton 975	5.4	568	1006	3.01	100.6	3.91	99.1		103.9	
				Sire Average	81	553	562	1149		5.6	598	1071	3.16	105.7	4.22	107.1		109.2
Miller Angus - Floyd, NM																		
6-1	175	175	4/2	76	545	586	1224	Miller Pendleton 975	6.2	590	1120	3.37	112.7	4.73	120.0		118.0	
6-2	145	145	3/21	77	540	613	1117	Miller Pendleton 975	5.7	553	1058	3.07	102.7	4.50	114.2		111.7	

2011-12 Tucumcari Bull Test - 112-Day Report

Bulls born between January and April 2011

TBT	Ranch	Date	Actual	Act.	Adj.	Adj. 365-	Sire Name	Final	Initial	Final				Pen	Final			
		of Birth	Weaning	Weaning	Day	Frame		Body	Body	WDA	ADG	Pen	F:G	Test				
		ID	ID	Tattoo	Birth	Weight		Score	Weight	Weight	WDA	Ratio	ADG	Ratio	F:G	Ratio	Index	
ANGUS																		
McKenzie Land & Livestock - Ft. Stockton, TX																	6.57 104.3	
7-1	1518	1518	2/14	75	530	599	1170	MCC DAYBREAK	5.5	695	1213	3.20	106.9	4.62	117.2		110.5	
7-2	1514	1514	2/13	80	460	531	1055	MCC DAYBREAK	4.3	595	1095	2.88	96.3	4.46	113.2		104.7	
7-3	1511	1511	2/12	68	440	510	1009	MCC DAYBREAK	5.7	603	1050	2.76	92.1	3.99	101.2		98.2	
<i>Sire Average</i>				74	477	547	1078		5.2	631	1119	2.95	98.4	4.36	110.5		104.4	
McKenzie Land & Livestock - Fort Stockton, TX																	7.45 92.0	
8-1	1519	1519	2/16	70	490	563	1014	MYTTY IN FOCUS	5.3	642	1045	2.77	92.6	3.60	91.3		91.9	
8-2	1507	1507	2/8	90	530	555	976	ALC BIG EYE D09N	4.2	638	1025	2.66	89.0	3.46	87.6		89.0	
8-3	1577	1577	3/23	70	470	577	1038	SF PREDESTINED 821	4.3	578	977	2.86	95.5	3.56	90.4		92.7	
McKenzie Land & Livestock - Fort Stockton, TX																	7.75 88.35	
9-1	1502	1502	2/6	75	550	607	1101	B3R Tender Ten R065	4.9	733	1163	3.00	100.4	3.83	97.3		96.7	
9-2	1512	1512	2/3	70	500	555	928	B3R Tender Ten R065	4.1	646	987	2.53	84.6	3.04	77.2		82.4	
HEREFORD																		
Abercrombie Ranch - Tucumcari, NM																	5.86 100.7	
10-1	1121	1121	3/2	83	625	542	1035	TRL DOMINO DUKE TU47	5.5	621	1030	2.84	99.5	3.65	94.5		97.7	
10-2	1130	1130	4/10	80	574	576	1102	TRL DOMINO DUKE TU47	6.0	562	988	3.05	106.9	3.80	98.3		102.2	
Abercrombie Ranch - Tucumcari, NM																	4.88 121.0	
11-1	1107	1107	3/15	84	634	576	1154	TRL DOMINO DUKE TU47	5.7	639	1110	3.17	111.2	4.21	108.8		112.2	
11-2	1136	1136	4/20	83	574	602	1213	TRL DOMINO DUKE TU47	5.9	586	1055	3.36	117.8	4.19	108.4		114.7	
Abercrombie Ranch - Tucumcari, NM																	6.53 90.3	
12-1	1109	1109	4/6	84	560	553	1035	TRL KG DOM TU 77	5.5	557	939	2.86	100.4	3.41	88.3		93.5	
12-2	1122	1122	4/11	84	538	565	1050	TRL KG DOM TU 77	4.5	543	939	2.91	101.9	3.54	91.5		95.4	
12-3	1101	1101	4/30	80	473	518	1015	TRL KG DOM TU 77	4.8	471	859	2.83	99.1	3.47	89.8		93.6	
12-4	1108	1108	3/28	82	542	519	992	TRL KG DOM TU 77	4.6	534	922	2.74	95.9	3.46	89.7		92.3	
<i>Sire Average</i>				83	528	539	1023		4.9	526	915	2.83	99.3	3.47	89.8		93.7	
Cornerstone Ranch, Inc. - Fort Sumner, NM																	5.75 102.5	
13-1	YT18	YT18	3/8	70	425	420	891	TRL STRIKER DOMINO TN15	4.3	410	873	2.45	85.7	4.13	107.0		97.6	
13-2	YT22	YT22	3/12	71	455	451	981	TRL STRIKER DOMINO TN15	4.6	467	951	2.69	94.5	4.32	111.9		103.0	
13-3	YT28	YT28	3/13	71	415	418	915	TRL STRIKER DOMINO TN15	4.9	409	885	2.51	88.2	4.25	110.1		99.8	
13-4	YT11	YT11	3/2	70	535	506	1030	TRL STRIKER DOMINO TN15	4.5	585	1025	2.82	99.0	3.93	101.7		100.8	
<i>Sire Average</i>				71	458	449	954		4.6	468	934	2.62	91.8	4.16	107.7		100.3	

2011-12 Tucumcari Bull Test - 112-Day Report

Bulls born between January and April 2011

TBT	Ranch	Date	Actual	Act.	Adj.	Adj. 365-	Sire Name	Final	Initial	Final				Pen	Final		
		of Birth	Weaning	Weaning	Day	Frame		Body	Body	WDA	ADG	Pen	F:G	Test			
ID	ID	Tattoo	Birth	Weight	Weight	Weight		Score	Weight	Weight	WDA	Ratio	ADG	Ratio	F:G	Ratio	Index
CHAROLAIS																	
WK Ranch - Trementina, NM																	
14-1	103	103	2/15	79	575	535	1060	BJR SIR SILVER 544P	6.0	557	1095	2.90	97.9	4.80	117.9	5.99	101.6
14-2	104	104	2/25	80	550	561	975	BJR SIR SILVER 544P	6.4	567	982	2.67	90.2	3.71	91.0		106.6
WK Ranch - Trementina, NM																	
15-1	101	101	1/25	80	600	518	1118	BJR SIR SILVER 544P	5.8	658	1215	3.05	102.9	4.97	122.1		92.8
15-2	107	107	2/15	82	605	546	1222	BJR SIR SILVER 544P	6.8	721	1263	3.34	112.9	4.83	118.7		110.7
15-3	109	109	2/10	82	590	572	956	BJR SIR SILVER 544P	5.7	586	1000	2.61	88.2	3.69	90.6		113.3
<i>Sire Average</i>				81	598	545	1099		6.1	655	1159	3.00	101.3	4.50	110.5		105.4
D&J Cattle - Las Vegas, NM																	
16-1	134	1134	3/12	NA	646	NA	1145	SHC CIGAR C11 POLL	6.6	656	1110	3.14	106.3	4.05	99.5		102.8
16-2	140	1140	3/4	NA	648	NA	1136	SHC CIGAR C11 POLL	6.5	648	1125	3.12	105.3	4.26	104.6		104.5
16-3	127	1127	3/5	NA	708	NA	1210	WB OK SOONER WIND	6.5	718	1195	3.32	112.2	4.26	104.6		107.2
16-4	123	1123	3/2	NA	648	NA	1090	WB OK SOONER WIND	6.0	664	1085	2.99	101.0	3.76	92.3		97.8
Grau Charolais - Grady, NM																	
17-1	1T2	T2	3/2	94	675	684	1131	GRAU THICK TOP X83	7.0	693	1125	3.10	104.7	3.86	94.7		99.3
17-2	1T7	T7	3/7	96	600	602	1074	GRAU THICK TOP X83	5.3	603	1055	2.95	99.6	4.04	99.1		99.0
17-3	1T45	T45	3/23	89	535	556	956	GRAU THICK TOP X83	4.8	523	901	2.63	89.0	3.38	82.9		88.3
<i>Sire Average</i>				93	603	614	1053		5.7	606	1027	2.89	97.8	3.76	92.2		95.6
Grau Charolais - Grady, NM																	
18-1	1T19	T19	3/16	92	550	573	1063	GRAU UNION PACIFIC X40	5.2	566	1020	2.92	98.8	4.05	99.5		99.5
18-2	1T58	T58	3/30	90	565	628	1050	GRAU UNION PACIFIC X40	5.9	557	971	2.90	97.9	3.70	90.7		95.7
18-3	1T25	T25	3/17	86	555	582	1003	GRAU UNION PACIFIC X40	4.9	541	960	2.76	93.2	3.74	91.8		94.3
<i>Sire Average</i>				89	557	594	1038		5.3	555	984	2.86	96.6	3.83	94.0		96.5