

**Lots 1 through 26 are Polled Hereford bulls.**

Lot 1 P340								
CED	BW	WW	YW					\$ BMI
+3.3 (.19)	+1.6 (.55)	+35 (.40)	+50 (.42)					\$ 21
CEM	MM	M&G	SC					\$ CEZ
+1.8 (.12)	+18 (.15)	+35	+0.9 (.23)					\$ 19
FAT	REA	MARB						\$ BII
+0.042 (.29)	+0.44 (.29)	+0.11 (.26)						\$ 20
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 16
1	93	106	672	118	1211	114	40	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.35	114	13.87	106	3.90	94			

Lot 2 T074								
CED	BW	WW	YW					\$ BMI
+3.6 (.14)	+3.0 (.38)	+46 (.31)	+71 (.33)					\$ 28
CEM	MM	M&G	SC					\$ CEZ
+0.1 (.12)	+18 (.18)	+41	+1.5 (.30)					\$ 20
FAT	REA	MARB						\$ BII
+0.083 (.26)	+0.02 (.25)	+0.52 (.23)						\$ 27
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 26
1	97	106	528	94	969	94	39	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.30	121	10.89	96	3.78	99			

Lot 3 T132								
CED	BW	WW	YW					\$ BMI
+4.1 (P)	+2.7 (.23)	+49 (.22)	+74 (.22)					\$ 28
CEM	MM	M&G	SC					\$ CEZ
+0.3 (P)	+18 (.18)	+43	+1.4 (.18)					\$ 20
FAT	REA	MARB						\$ BII
+0.060 (.24)	+0.15 (.24)	+0.47 (.22)						\$ 26
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 28
1	90	ET	522	ET	889	ET	33	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.22	73	11.43	105	3.57	86			

Lot 4 T173								
CED	BW	WW	YW					\$ BMI
+6.1 (.11)	+0.6 (.37)	+38 (.29)	+59 (.28)					\$ 30
CEM	MM	M&G	SC					\$ CEZ
+4.0 (.09)	+13 (.11)	+32	+1.3 (.13)					\$ 24
FAT	REA	MARB						\$ BII
+0.067 (.17)	-0.06 (.17)	+0.56 (.15)						\$ 29
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 24
1	80	87	618	107	N/A	0	35	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.19	0	11.41	0	2.45	0			

Lot 5 T113								
CED	BW	WW	YW					\$ BMI
-2.9 (.11)	+5.1 (.39)	+45 (.31)	+76 (.33)					\$ 16
CEM	MM	M&G	SC					\$ CEZ
-1.6 (.09)	+19 (.15)	+42	+0.4 (.27)					\$ 11
FAT	REA	MARB						\$ BII
-0.046 (.24)	+0.73 (.23)	+0.25 (.21)						\$ 15
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 29
1	100	109	584	104	1019	99	34	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.20	81	12.13	107	3.12	82			

Lot 6 U248								
CED	BW	WW	YW					\$ BMI
+3.5 (P)	+3.0 (.25)	+60 (.23)	+93 (.23)					\$ 37
CEM	MM	M&G	SC					\$ CEZ
+3.2 (P)	+17 (.18)	+47	+2.0 (.18)					\$ 22
FAT	REA	MARB						\$ BII
+0.039 (P+)	+0.19 (P+)	+0.69 (P+)						\$ 34
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 39
1	91	ET	537	ET	1064	ET	40	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.28	124	11.02	102	3.96	95			

Lot 7 U332								
CED	BW	WW	YW					\$ BMI
+4.0 (.09)	+2.1 (.37)	+50 (P+)	+74 (P+)					\$ 34
CEM	MM	M&G	SC					\$ CEZ
+2.4 (.07)	+17 (P)	+42	+1.9 (P+)					\$ 22
FAT	REA	MARB						\$ BII
+0.006 (P+)	+0.34 (P+)	+0.36 (P+)						\$ 33
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 30
1	88	93	644	121	1123	107	40	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.29	125	11.52	107	3.25	84			

Lot 8 U297								
CED	BW	WW	YW					\$ BMI
+1.8 (P)	+3.0 (.23)	+59 (.20)	+88 (.20)					\$ 28
CEM	MM	M&G	SC					\$ CEZ
+0.8 (P)	+18 (.11)	+48	+1.2 (.13)					\$ 17
FAT	REA	MARB						\$ BII
+0.074 (P+)	+0.24 (P+)	+0.69 (P+)						\$ 25
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 36
1	94	ET	581	ET	1058	ET	38	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.23	103	10.36	96	3.69	88			

Lot 9 U295								
CED	BW	WW	YW					\$ BMI
+2.3 (P)	+3.2 (.22)	+53 (.21)	+84 (.21)					\$ 29
CEM	MM	M&G	SC					\$ CEZ
+0.8 (P)	+21 (.17)	+48	+1.3 (.15)					\$ 18
FAT	REA	MARB						\$ BII
+0.054 (P+)	+0.19 (P+)	+0.76 (P+)						\$ 26
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 36
1	97	ET	572	ET	1045	ET	34	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.23	103	10.24	94	5.12	123			

Lot 10 U299								
CED	BW	WW	YW					\$ BMI
+2.3 (P)	+3.2 (.22)	+53 (.21)	+84 (.21)					\$ 30
CEM	MM	M&G	SC					\$ CEZ
+0.8 (P)	+21 (.17)	+48	+1.3 (.15)					\$ 18
FAT	REA	MARB						\$ BII
+0.060 (P+)	+0.23 (P+)	+0.81 (P+)						\$ 27
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 37
1	91	ET	551	ET	1018	ET	36	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.29	130	10.86	100	5.68	136			

Lot 11 U208								
CED	BW	WW	YW					\$ BMI
+2.4 (.10)	+3.4 (.35)	+67 (P+)	+107 (P+)					\$ 32
CEM	MM	M&G	SC					\$ CEZ
+1.6 (.08)	+17 (P)	+50	+1.6 (P+)					\$ 18
FAT	REA	MARB						\$ BII
+0.036 (P+)	+0.54 (P+)	+0.56 (P+)						\$ 28
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 41
1	91	107	715	134	1249	119	38	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.37	160	13.48	125	4.72	122			

Lot 12 U240								
CED	BW	WW	YW					\$ BMI
+2.8 (.11)	+3.7 (.37)	+52 (P+)	+82 (P+)					\$ 31
CEM	MM	M&G	SC					\$ CEZ
+2.0 (.09)	+14 (P)	+40	+1.3 (P+)					\$ 19
FAT	REA	MARB						\$ BII
+0.037 (P+)	+0.27 (P+)	+0.65 (P+)						\$ 28
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 35
1	88	104	553	104	1028	98	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.20	85	11.12	103	3.96	102			

**Lot 13 U360**

CED		BW		WW		YW		\$ BMI
+5.4	(.11)	-0.9	(.35)	+43	(P+)	+60	(P+)	\$ 29
CEM		MM		M&G		SC		\$ CEZ
+4.3	(.09)	+20	(P)	+41		+1.1	(P+)	\$ 22
FAT		REA		MARB				\$ BII
+0.078	(.16)	+0.15	(.16)	+0.66	(.15)			\$ 26
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 28
1	64	78	568	115	1134	*S*	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.27	*S*	12.44	*S*	4.35	*S*			

**Lot 14 U225**

CED		BW		WW		YW		\$ BMI
+3.8	(.10)	+1.6	(.37)	+45	(P+)	+66	(P+)	\$ 28
CEM		MM		M&G		SC		\$ CEZ
+2.0	(.08)	+17	(P)	+39		+1.1	(P+)	\$ 20
FAT		REA		MARB				\$ BII
+0.090	(P+)	-0.05	(P+)	+0.76	(P+)			\$ 26
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 30
1	81	95	556	104	919	88	36	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.17	74	8.87	82	4.01	103			

**Lot 15 U326**

CED		BW		WW		YW		\$ BMI
-0.8	(.08)	+2.4	(.38)	+45	(P+)	+74	(P+)	\$ 18
CEM		MM		M&G		SC		\$ CEZ
-1.6	(.07)	+19	(P)	+41		+0.5	(P+)	\$ 13
FAT		REA		MARB				\$ BII
-0.008	(P+)	+0.54	(P+)	+0.41	(P+)			\$ 17
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 30
1	77	94	413	103	808	105	#N/A	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.20	96	8.17	104	5.69	111			

**Lot 16 U235**

CED		BW		WW		YW		\$ BMI
+4.1	(P)	+2.7	(.23)	+49	(.22)	+74	(.22)	\$ 28
CEM		MM		M&G		SC		\$ CEZ
+0.3	(P)	+18	(.18)	+43		+1.4	(.18)	\$ 20
FAT		REA		MARB				\$ BII
+0.081	(.19)	+0.07	(.19)	+0.54	(.18)			\$ 26
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 28
1	92	ET	502	ET	929	ET	38	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.25	*S*	8.88	*S*	4.61	*S*			

**Lot 17 U262**

CED		BW		WW		YW		\$ BMI
-0.7	(.08)	+4.0	(.38)	+54	(P+)	+82	(P+)	\$ 22
CEM		MM		M&G		SC		\$ CEZ
-0.2	(.06)	+17	(P)	+44		+1.0	(P+)	\$ 14
FAT		REA		MARB				\$ BII
+0.028	(P+)	+0.45	(P+)	+0.33	(P+)			\$ 21
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 29
1	91	103	602	125	1039	105	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.24	95	10.42	97	4.48	122			

**Lot 18 U257**

CED		BW		WW		YW		\$ BMI
-0.9	(.08)	+3.5	(.37)	+54	(P+)	+85	(P+)	\$ 20
CEM		MM		M&G		SC		\$ CEZ
+0.3	(.06)	+18	(P)	+45		+0.8	(P+)	\$ 13
FAT		REA		MARB				\$ BII
+0.020	(P+)	+0.53	(P+)	+0.31	(P+)			\$ 18
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 30
1	89	103	580	120	1059	107	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.30	118	11.57	107	4.17	114			

**Lot 19 U323**

CED		BW		WW		YW		\$ BMI
+0.9	(.08)	+2.2	(.38)	+49	(P+)	+78	(P+)	\$ 17
CEM		MM		M&G		SC		\$ CEZ
+0.1	(.06)	+20	(P)	+45		+0.7	(P+)	\$ 14
FAT		REA		MARB				\$ BII
+0.033	(P+)	+0.56	(P+)	+0.12	(P+)			\$ 15
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 23
1	87	97	544	113	1053	106	36	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.30	117	12.81	119	2.12	58			

**Lot 20 U273**

CED		BW		WW		YW		\$ BMI
-1.4	(.08)	+3.0	(.37)	+40	(P+)	+62	(P+)	\$ 15
CEM		MM		M&G		SC		\$ CEZ
-1.3	(.06)	+19	(P)	+39		+0.2	(P+)	\$ 12
FAT		REA		MARB				\$ BII
-0.001	(P+)	+0.56	(P+)	+0.34	(P+)			\$ 14
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 25
1	89	103	452	94	862	87	32	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.18	73	9.72	90	4.39	120			

**Lot 21 U284**

CED		BW		WW		YW		\$ BMI
-0.7	(.08)	+2.9	(.37)	+41	(P+)	+67	(P+)	\$ 11
CEM		MM		M&G		SC		\$ CEZ
+0.6	(.06)	+20	(P)	+41		+0.1	(P+)	\$ 12
FAT		REA		MARB				\$ BII
+0.025	(P+)	+0.39	(P+)	+0.17	(P+)			\$ 9
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 20
1	86	96	475	98	948	96	32	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.26	101	10.07	93	3.05	83			

**Lot 22 U258**

CED		BW		WW		YW		\$ BMI
+2.2	(.08)	+3.1	(.35)	+46	(P+)	+74	(P+)	\$ 25
CEM		MM		M&G		SC		\$ CEZ
+0.9	(.06)	+18	(P)	+41		+1.4	(P+)	\$ 18
FAT		REA		MARB				\$ BII
-0.018	(P+)	+0.43	(P+)	+0.07	(P+)			\$ 24
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 24
1	91	101	610	126	1132	114	39	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.28	110	11.48	106	2.90	79			

**Lot 23 U255**

CED		BW		WW		YW		\$ BMI
+3.6	(P)	+1.2	(.24)	+51	(.22)	+79	(.22)	\$ 28
CEM		MM		M&G		SC		\$ CEZ
+3.2	(P)	+19	(.18)	+44		+1.4	(.16)	\$ 20
FAT		REA		MARB				\$ BII
+0.010	(P+)	+0.22	(P+)	+0.34	(P+)			\$ 25
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 29
1	73	ET	444	ET	876	ET	35	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.14	62	10.17	94	3.75	90			

**Lot 24 U243**

CED		BW		WW		YW		\$ BMI
+3.0	(.07)	+2.8	(.35)	+40	(P+)	+59	(P+)	\$ 25
CEM		MM		M&G		SC		\$ CEZ
+2.2	(.05)	+15	(P)	+35		+1.1	(P+)	\$ 19
FAT		REA		MARB				\$ BII
+0.018	(P+)	+0.18	(P+)	+0.30	(P+)			\$ 24
Phenotype:								\$ CHB
CE	BW	BWR	aWW	WWR	aYW	YWR	SC	\$ 22
1	87	102	517	97	921	88	37	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R			
0.13	55	8.94	83	3.46	89			

Lot 25 U290							
CED		BW		WW		YW	
+1.7 (.11)		+0.9 (.37)		+43 (P+)		+64 (P+)	
CEM		MM		M&G		SC	
-1.3 (.10)		+27 (P)		+49		+0.1 (P+)	
FAT		REA		MARB			
-0.025 (P+)		+0.70 (P+)		+0.10 (P+)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	79	90	538	111	916	93	33
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.19	74	12.01	111	3.02	82		

Lot 26 U241							
CED		BW		WW		YW	
+2.7 (.11)		+0.0 (.37)		+39 (P+)		+56 (P+)	
CEM		MM		M&G		SC	
-3.1 (.09)		+29 (P)		+49		+0.5 (P+)	
FAT		REA		MARB			
+0.027 (P+)		+0.19 (P+)		+0.19 (P+)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	78	90	506	105	946	96	35
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.26	102	10.04	93	3.82	104		

Lot 27 U264							
CED		BW		WW		YW	
+1.9 (.09)		+1.4 (.35)		+41 (P+)		+65 (P+)	
CEM		MM		M&G		SC	
+1.9 (.07)		+18 (P)		+38		+0.4 (P+)	
FAT		REA		MARB			
+0.043 (P+)		+0.31 (P+)		+0.43 (P+)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	78	90	475	98	955	96	0
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.28	111	9.03	84	5.11	139		

Lots 28 through 31 are Angus bulls.

Lot 28 TA06							
CED		BEPD		WEPD		YEPD	
-2 (.28)		+4.8 (.33)		+43 (.25)		+67 (.24)	
CEM		MILK				SC	
-1 (.18)		+23 (.20)				+0.2 (.30)	
FAT		REA		MARB			
+0.008 (.20)		-0.05 (.25)		-0.03 (.18)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	96	120	768	115	1085	95	36
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.21	81	11.70	89	2.61	70		

Lot 29 TA08							
CED		BEPD		WEPD		YEPD	
+1 (.28)		+3.9 (.34)		+49 (.25)		+86 (.20)	
CEM		MILK				SC	
+4 (.17)		+18 (.20)				I+18 (.05)	
FAT		REA		MARB			
I+.021 (.05)		I+.03 (.05)		I+.34 (.05)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	87	107	724	109	n/a	n/a	34
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.35	n/a	12.00	n/a	3.80	n/a		

Lot 30 UA17							
CED		BEPD		WEPD		YEPD	
I+7 (.05)		I+.1 (.25)		I+44 (.23)		I+80 (.05)	
CEM		MILK				SC	
I+9 (.05)		I+22 (.11)				I+.48 (.05)	
FAT		REA		MARB			
I+.042 (.10)		I+.12 (.13)		I+.34 (.10)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	75	89	610	103	0	0	35
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.33	138	13.00	109	5.14	115		

Lot 31 UA18							
CED		BEPD		WEPD		YEPD	
I+2 (.05)		I+4.3 (.26)		I+41 (.24)		I+74 (.05)	
CEM		MILK				SC	
I+3 (.05)		I+15 (.12)				I+.36 (.05)	
FAT		REA		MARB			
I+.022 (.08)		I-.03 (.11)		I+.22 (.09)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	96	113	580	98	0	0	35
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.25	104	11.20	94	4.14	93		

Lot 32 UA10							
CED		BEPD		WEPD		YEPD	
I+7 (.05)		I+1.3 (.35)		I+35 (.33)		I+71 (.05)	
CEM		MILK				SC	
I+5 (.05)		I+24 (.13)				+0.0	
FAT		REA		MARB			
I+.008 (.13)		I+.1 (.17)		I+.03 (.15)			
Phenotype:							
CE	BW	BWR	aWW	WWR	aYW	YWR	SC
1	83	106	551	93	0	0	36
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.13	54	11.60	97	4.10	92		

Lots 33 through 36 are Embryo and Semen Lots

Lot 33

Lot 34

Lot 35

Lot 36

**Lots 37 through 54 are yearling Polled Hereford heifers. All sell open and ready to breed.**

**Lot 37 U245**

CED	BW	WW	YW	\$ BMI			
+2.3 (P)	+3.2 (.22)	+53 (.21)	+84 (.21)	\$ 27			
CEM	MM	M&G	SC	\$ CEZ			
+0.8 (P)	+21 (.17)	+48	+1.3 (.15)	\$ 18			
FAT	REA	MARB		\$ BII			
+0.045 (P+)	+0.38 (P+)	+0.56 (P+)		\$ 25			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 34
1	103	ET	568	ET	874	ET	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.31	108	10.34	116	3.94	76		

**Lot 38 U206**

CED	BW	WW	YW	\$ BMI			
+5.3 (.09)	+1.2 (.37)	+48 (P+)	+71 (P+)	\$ 33			
CEM	MM	M&G	SC	\$ CEZ			
+3.6 (.07)	+13 (P)	+37	+1.2 (P+)	\$ 23			
FAT	REA	MARB		\$ BII			
+0.061 (P+)	+0.13 (P+)	+0.84 (P+)		\$ 30			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 36
1	71	89	456	95	797	97	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.29	108	7.53	93	7.55	138		

**Lot 39 U202**

CED	BW	WW	YW	\$ BMI			
+3.9 (.07)	-0.2 (.35)	+38 (P+)	+58 (P+)	\$ 20			
CEM	MM	M&G	SC	\$ CEZ			
+1.8 (.05)	+20 (P)	+39	+0.8 (P+)	\$ 19			
FAT	REA	MARB		\$ BII			
+0.037 (P+)	+0.31 (P+)	+0.23 (P+)		\$ 19			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 20
1	70	88	479	100	875	106	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.40	152	8.13	100	5.47	100		

**Lot 40 U230**

CED	BW	WW	YW	\$ BMI			
+4.1 (.08)	+1.0 (.36)	+30 (P+)	+42 (P+)	\$ 18			
CEM	MM	M&G	SC	\$ CEZ			
+2.8 (.06)	+18 (P)	+33	+0.7 (P+)	\$ 20			
FAT	REA	MARB		\$ BII			
+0.028 (P+)	+0.18 (P+)	+0.05 (P+)		\$ 18			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 12
1	77	96	423	89	729	88	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.27	103	8.62	106	5.03	92		

**Lot 41 U204**

CED	BW	WW	YW	\$ BMI			
+3.2 (.08)	+1.3 (.36)	+35 (P+)	+50 (P+)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
+1.3 (.06)	+16 (P)	+34	+0.8 (P+)	\$ 19			
FAT	REA	MARB		\$ BII			
+0.018 (P+)	+0.28 (P+)	+0.27 (P+)		\$ 22			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 20
1	72	90	467	98	804	97	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.23	85	9.39	116	6.00	110		

**Lot 42 U234**

CED	BW	WW	YW	\$ BMI			
+3.8 (.10)	+2.8 (.37)	+57 (P+)	+85 (P+)	\$ 26			
CEM	MM	M&G	SC	\$ CEZ			
+1.6 (.08)	+17 (P)	+45	+1.1 (P+)	\$ 19			
FAT	REA	MARB		\$ BII			
+0.068 (P+)	+0.01 (P+)	+0.58 (P+)		\$ 23			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 33
1	84	104	569	119	955	116	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.33	123	8.25	102	6.71	123		

**Lot 43 U261**

CED	BW	WW	YW	\$ BMI			
+4.6 (.10)	+2.3 (.37)	+50 (P+)	+79 (P+)	\$ 25			
CEM	MM	M&G	SC	\$ CEZ			
+1.3 (.08)	+18 (P)	+43	+1.1 (P+)	\$ 19			
FAT	REA	MARB		\$ BII			
+0.076 (P+)	+0.05 (P+)	+0.47 (P+)		\$ 22			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 28
1	82	102	492	103	883	107	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.28	106	7.80	96	4.60	84		

**Lot 44 U2121**

CED	BW	WW	YW	\$ BMI			
+1.8 (.11)	+5.0 (.35)	+50 (P+)	+76 (P+)	\$ 26			
CEM	MM	M&G	SC	\$ CEZ			
+0.1 (.09)	+16 (P)	+41	+1.1 (P+)	\$ 17			
FAT	REA	MARB		\$ BII			
+0.049 (P+)	+0.08 (P+)	+0.59 (P+)		\$ 24			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 31
2	91	113	453	95	809	98	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.20	75	7.23	89	6.14	112		

**Lot 45 U320**

CED	BW	WW	YW	\$ BMI			
+3.7 (.09)	+3.3 (.36)	+44 (P+)	+67 (P+)	\$ 27			
CEM	MM	M&G	SC	\$ CEZ			
+1.7 (.07)	+11 (P)	+33	+1.1 (P+)	\$ 20			
FAT	REA	MARB		\$ BII			
+0.018 (P+)	+0.10 (P+)	+0.42 (P+)		\$ 26			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 27
1	80	99	394	97	742	101	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.22	99	8.01	98	4.66	99		

**Lot 46 U351**

CED	BW	WW	YW	\$ BMI			
+2.9 (.11)	+3.9 (.37)	+55 (P+)	+81 (P+)	\$ 26			
CEM	MM	M&G	SC	\$ CEZ			
+1.0 (.09)	+11 (P)	+38	+1.1 (P+)	\$ 18			
FAT	REA	MARB		\$ BII			
+0.042 (P+)	+0.02 (P+)	+0.43 (P+)		\$ 23			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 30
1	92	109	492	123	828	108	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.20	95	8.42	107	4.76	93		

**Lot 47 U285**

CED	BW	WW	YW	\$ BMI			
+1.2 (.09)	+2.5 (.36)	+43 (P+)	+64 (P+)	\$ 19			
CEM	MM	M&G	SC	\$ CEZ			
-0.8 (.08)	+21 (P)	+43	+0.7 (P+)	\$ 15			
FAT	REA	MARB		\$ BII			
+0.022 (P+)	+0.55 (P+)	+0.28 (P+)		\$ 18			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 24
1	72	90	429	106	777	105	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.27	123	9.38	115	4.95	105		

**Lot 48 U296**

CED	BW	WW	YW	\$ BMI			
-1.0 (.09)	+4.2 (.37)	+49 (P+)	+78 (P+)	\$ 19			
CEM	MM	M&G	SC	\$ CEZ			
+0.7 (.07)	+17 (P)	+42	+0.8 (P+)	\$ 14			
FAT	REA	MARB		\$ BII			
+0.048 (P+)	+0.28 (P+)	+0.27 (P+)		\$ 17			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	\$ 24
1	84	106	409	101	786	107	
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.31	142	8.44	103	4.73	101		

Lot 49 U265							
CED	BW	WW	YW	\$ BMI			
-3.5 (.08)	+4.2 (.37)	+43 (P+)	+69 (P+)	\$ 14			
CEM	MM	M&G	SC	\$ CEZ			
-1.5 (.06)	+16 (P)	+37	+0.4 (P+)	\$ 10			
FAT	REA	MARB		\$ BII			
+0.037 (P+)	+0.33 (P+)	+0.30 (P+)		\$ 14			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	87	106	372	92	713	97	\$ 22
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.21	98	7.48	91	5.36	114		

Lot 50 U272							
CED	BW	WW	YW	\$ BMI			
-1.3 (.08)	+4.0 (.37)	+48 (P+)	+74 (P+)	\$ 16			
CEM	MM	M&G	SC	\$ CEZ			
-0.1 (.06)	+18 (P)	+43	+0.6 (P+)	\$ 13			
FAT	REA	MARB		\$ BII			
+0.046 (P+)	+0.37 (P+)	+0.19 (P+)		\$ 14			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	87	106	411	101	757	103	\$ 22
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.22	103	9.02	110	4.62	98		

Lot 51 U309							
CED	BW	WW	YW	\$ BMI			
-1.0 (.10)	+4.8 (.38)	+51 (P+)	+80 (P+)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
-0.9 (.09)	+14 (P)	+40	+0.7 (P+)	\$ 13			
FAT	REA	MARB		\$ BII			
+0.046 (P+)	+0.34 (P+)	+0.56 (P+)		\$ 20			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	89	109	421	104	758	103	\$ 31
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.21	97	8.39	102	5.65	120		

Lot 52 U288							
CED	BW	WW	YW	\$ BMI			
+0.4 (.08)	+4.1 (.37)	+38 (P+)	+55 (P+)	\$ 20			
CEM	MM	M&G	SC	\$ CEZ			
+1.9 (.06)	+15 (P)	+34	+1.0 (P+)	\$ 17			
FAT	REA	MARB		\$ BII			
-0.025 (P+)	+0.24 (P+)	-0.03 (P+)		\$ 21			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	90	106	482	101	812	98	\$ 16
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.32	120	7.80	96	5.16	94		

Lot 53 U247							
CED	BW	WW	YW	\$ BMI			
+1.8 (.07)	+2.3 (.36)	+33 (P+)	+50 (P+)	\$ 19			
CEM	MM	M&G	SC	\$ CEZ			
+1.5 (.06)	+16 (P)	+32	+0.8 (P+)	\$ 17			
FAT	REA	MARB		\$ BII			
-0.076 (P+)	+0.51 (P+)	-0.13 (P+)		\$ 20			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	78	92	457	96	774	94	\$ 17
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.13	48	7.64	94	3.54	65		

Lot 54 U223							
CED	BW	WW	YW	\$ BMI			
-0.7 (.08)	+4.6 (.35)	+44 (P+)	+69 (P+)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
-0.9 (.06)	+19 (P)	+40	+1.1 (P+)	\$ 15			
FAT	REA	MARB		\$ BII			
-0.029 (P+)	+0.31 (P+)	+0.20 (P+)		\$ 22			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	
1	93	110	458	113	815	110	\$ 25
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.16	74	6.86	84	5.32	113		

**Lots 55 through 60 are Polled Hereford cows.**

Lot 55 M840							
CED	BW	WW	YW	\$ BMI			
+7.1 (.15)	-1.8 (.44)	+40 (.38)	+59 (.39)	\$ 21			
CEM	MM	M&G	SC	\$ CEZ			
+3.7 (.13)	+21 (.28)	+41	+0.8 (.18)	\$ 22			
FAT	REA	MARB		\$ BII			
+0.041 (.33)	+0.10 (.32)	+0.18 (.29)		\$ 18			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	FS
1	69	92	535	104	836	100	5.6
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.41	129	7.94	91	3.93	122		

Lot 56 S622							
CED	BW	WW	YW	\$ BMI			
-1.6 (.12)	+4.0 (.40)	+49 (.32)	+83 (.34)	\$ 23			
CEM	MM	M&G	SC	\$ CEZ			
+2.4 (.10)	+12 (.15)	+36	+1.1 (.14)	\$ 15			
FAT	REA	MARB		\$ BII			
-0.002 (.24)	+0.43 (.23)	+0.18 (.21)		\$ 22			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	FS
1	86	103	511	97	866	99	4.7
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.44	108	9.18	93	3.70	88		

Lot 57 S713							
CED	BW	WW	YW	\$ BMI			
-0.3 (.08)	+3.8 (.38)	+53 (.30)	+81 (.32)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
+0.0 (.06)	+17 (.09)	+44	+0.9 (.12)	\$ 14			
FAT	REA	MARB		\$ BII			
+0.049 (.23)	+0.52 (.22)	+0.37 (.19)		\$ 20			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	FS
1	81	99	610	116	957	110	4.9
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.55	136	12.03	122	5.03	119		

Lot 58 S721							
CED	BW	WW	YW	\$ BMI			
-3.6 (.13)	+5.5 (.40)	+47 (.32)	+84 (.34)	\$ 22			
CEM	MM	M&G	SC	\$ CEZ			
-0.5 (.11)	+15 (.16)	+38	+0.8 (.14)	\$ 12			
FAT	REA	MARB		\$ BII			
-0.058 (.25)	+0.66 (.24)	+0.40 (.22)		\$ 21			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	FS
1	100	112	497	95	920	105	4.7
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.24	60	11.09	112	4.50	107		

Lot 59 S749							
CED	BW	WW	YW	\$ BMI			
-2.3 (.12)	+4.2 (.40)	+45 (.32)	+76 (.34)	\$ 19			
CEM	MM	M&G	SC	\$ CEZ			
-1.0 (.10)	+19 (.15)	+42	+0.7 (.14)	\$ 12			
FAT	REA	MARB		\$ BII			
-0.022 (.24)	+0.65 (.23)	+0.31 (.21)		\$ 18			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	FS
1	90	101	560	107	967	111	5.9
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.49	122	11.17	113	4.11	97		

Lot 60 S751							
CED	BW	WW	YW	\$ BMI			
-0.2 (.09)	+3.9 (.39)	+38 (.30)	+60 (.32)	\$ 20			
CEM	MM	M&G	SC	\$ CEZ			
+1.2 (.07)	+19 (.10)	+38	+0.8 (.12)	\$ 15			
FAT	REA	MARB		\$ BII			
-0.098 (.23)	+0.83 (.21)	-0.08 (.19)		\$ 20			
Phenotype:				\$ CHB			
CE	BW	BWR	aWW	WWR	aYW	YWR	FS
1	83	102	615	104	890	97	6.2
aFAT	FAT R	aREA	REA R	a%IMF	%IMF R		
0.27	75	10.78	108	3.19	81		