

GUE	TEAT LENGTH	AUS	TEAT LENGTH	-6.929	0.066
GUE	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-50.228	0.495
GUE	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-84.882	0.848
GUE	ANGULARITY	AUS	ANGULARITY	29.827	-0.280

Conversion Factors For Type. Source = INTERBULL MACE 1108
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

c		c	f			
a		o	o			
n		u	r	a	b	t
b	t	n	t	v	v	c
r	r	t	r	a	a	o
e	a	r	a	l	l	r
e	i	y	i	u	u	r
d	t	2	t	e	e	2

GUE	CONFORMATION	GBR	CONFORMATION	-2.872	3.102	0.49
GUE	FEET AND LEGS	GBR	OVERALL FEET & LEG	0.790	3.553	
GUE	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.705	3.631	
GUE	STATURE	GBR	STATURE	-6.175	4.976	
GUE	CHEST WIDTH	GBR	CHEST WIDTH	-0.922	2.861	
GUE	BODY DEPTH	GBR	BODY DEPTH	-3.604	3.929	
GUE	PIN WIDTH	GBR	RUMP WIDTH	-2.562	3.844	
GUE	RUMP ANGLE	GBR	RUMP ANGLE	-0.346	3.707	
GUE	FOOT ANGLE	GBR	FOOT ANGLE	0.800	2.691	
GUE	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-1.799	3.178	
GUE	UDDER DEPTH	GBR	UDDER DEPTH	-0.103	3.528	
GUE	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-2.102	3.331	
GUE	FORE ATTACHMENT	GBR	FORE UDDER	-0.602	4.176	
GUE	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-0.299	4.632	
GUE	TEAT LENGTH	GBR	TEAT LENGTH	-1.119	1.019	
GUE	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-3.965	3.911	
GUE	REAR TEAT PLACEMENT	GBR	REAR TEAT PLACEMENT	-2.153	0.000	
GUE	ANGULARITY	GBR	ANGULARITY	-2.594	1.719	

Conversion Factors For Type. Source = INTERBULL MACE 1108
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 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

c		c	f			
a		o	o			
n		u	r	a	b	t
b	t	n	t	v	v	c
r	r	t	r	a	a	o
e	a	r	a	l	l	r
e	i	y	i	u	u	r
d	t	2	t	e	e	2

GUE	CONFORMATION	USA	PTA TYPE (FINAL SCORE)	0.328	5.208	0.56
GUE	FEET AND LEGS	USA	OVERALL FEET & LEG	0.511	4.566	

GUE	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	0.096	6.885
GUE	STATURE	USA	STATURE	-0.202	2.462
GUE	CHEST WIDTH	USA	STRENGTH	0.667	3.714
GUE	BODY DEPTH	USA	BODY DEPTH	0.701	3.384
GUE	PIN WIDTH	USA	THURL WIDTH	0.641	4.622
GUE	RUMP ANGLE	USA	RUMP ANGLE	-0.244	3.867
GUE	FOOT ANGLE	USA	FOOT ANGLE	0.810	8.454
GUE	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-1.295	7.034
GUE	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	-0.240	6.800
GUE	UDDER DEPTH	USA	UDDER DEPTH	-0.610	2.910
GUE	MEDIAN SUSPENSORY	USA	UDDER CLEFT	-0.553	4.093
GUE	FORE ATTACHMENT	USA	FORE UDDER ATTACHMENT	-0.535	3.733
GUE	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	0.859	4.782
GUE	TEAT LENGTH	USA	TEAT LENGTH	-0.672	2.634
GUE	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-0.144	4.387
GUE	ANGULARITY	USA	DAIRY FORM	-0.340	1.712

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2011

BREED	BMILK	BFAT	BPRT
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AYS	7318	295	246
BSW	8019	328	279
CN	5308	229	189
GUE	6943	311	237
JER	6274	307	240
HOL	9607	359	308
MS	6366	226	209

EBVFAT% = $200 * [(BFAT + EBVFAT * 0.5) / (BMILK + EBVMILK * 0.5) - (BFAT / BMILK)]$
 EBVPROT% = $200 * [(BPRT + EBVPRT * 0.5) / (BMILK + EBVMILK * 0.5) - (BPRT / BMILK)]$

EXAMPLE :

A HOLSTEIN bull has EBV MILK=+1000, EBVFAT=+50, EBVPROT=+40

$$\begin{aligned}
 \text{EBVFAT\%} &= 200 * [(359 + 50 * .5) / (9607 + 1000 * .5) - (359 / 9607)] \\
 &= 200 * [(359 + 25) / (9607 + 500) - (0.03737)] \\
 &= 200 * [0.03799 - 0.03737] \\
 &= 200 * 0.00062 \\
 &= 0.12
 \end{aligned}$$

$$\begin{aligned}
 \text{EBVPROT\%} &= 200 * [(308 + 40 * .5) / (9607 + 1000 * .5) - (308 / 9607)] \\
 &= 200 * [(308 + 20) / (9607 + 500) - (0.03206)] \\
 &= 200 * [0.03245 - 0.03206] \\
 &= 200 * 0.00039 \\
 &= 0.08
 \end{aligned}$$