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 Conversion Factors For Production Traits. Source: INTERBULL 1408

Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = PCORR2\*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
GUE	AUS	-115.414	0.948	-5.598	1.163	-3.731	1.194	0.6084
GUE	GBR	-310.438	2.571	-1.594	2.359	-8.269	2.796	0.7396
GUE	NZL	746.764	1.626	32.954	1.293	27.249	1.481	0.5776
GUE	USA	122.890	0.831	0.879	0.906	2.646	0.874	0.8281
GUE	ZAF	-517.689	1.778	-26.252	1.815	-19.540	1.769	0.7396

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 Conversion Factors For SCS Traits. Source: INTERBULL 1408

Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = SCORR2\*Foreign Reliability

breed	country2	a	b	scorr2
GUE	AUS	2.214	0.007	0.7225
GUE	GBR	2.897	0.016	0.8464
GUE	NZL	2.876	0.306	0.6084
GUE	USA	0.288	0.893	0.8836
GUE	ZAF	2.968	0.009	0.7921

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 Conversion Factors For Type. Source = INTERBULL MACE 1408

Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=AUS

c	a	n	b	r	e	e	d	c	f	a	b	t
o	u	n	t	r	a	l	u	r	2	v	v	c
o	r	t	r	a	l	l	u	r	2	e	e	c
GUE	CONFORMATION	AUS	CONFORMATION	-39.4535	0.3967	0.14						
GUE	FEET AND LEGS	AUS	OVERALL FEET & LEG	-74.9481	0.7432							
GUE	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-62.2706	0.6093							
GUE	STATURE	AUS	STATURE	-35.0994	0.3339							
GUE	CHEST WIDTH	AUS	CHEST WIDTH	-94.2171	0.9298							
GUE	BODY DEPTH	AUS	BODY DEPTH	-53.5403	0.5335							
GUE	PIN WIDTH	AUS	RUMP WIDTH	-56.0733	0.5556							
GUE	RUMP ANGLE	AUS	RUMP ANGLE	-50.7543	0.4925							
GUE	FOOT ANGLE	AUS	FOOT ANGLE	-29.5093	0.3067							
GUE	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-78.1508	0.7679							
GUE	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-50.4761	0.4958							
GUE	UDDER DEPTH	AUS	UDDER DEPTH	-45.5330	0.4646							
GUE	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-83.0190	0.8388							
GUE	FORE ATTACHMENT	AUS	FORE UDDER	-80.8674	0.8196							

GUE	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-54.7824	0.5372				
GUE	TEAT LENGTH	AUS	TEAT LENGTH	-5.8201	0.0543				
GUE	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-71.3737	0.7098				
GUE	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-27.7089	0.2750				
GUE	ANGULARITY	AUS	ANGULARITY	-7.9749	0.0801				

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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	-4.5270	4.8178	0.81			
GUE	FEET AND LEGS	GBR	OVERALL FEET & LEG	-0.0052	2.5672				
GUE	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-3.2845	5.4465				
GUE	STATURE	GBR	STATURE	-6.9448	5.9770				
GUE	CHEST WIDTH	GBR	CHEST WIDTH	-0.7765	3.6232				
GUE	BODY DEPTH	GBR	BODY DEPTH	-3.0697	4.3702				
GUE	PIN WIDTH	GBR	RUMP WIDTH	-2.0935	4.5745				
GUE	RUMP ANGLE	GBR	RUMP ANGLE	0.1776	3.4890				
GUE	FOOT ANGLE	GBR	FOOT ANGLE	1.4793	2.0246				
GUE	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-0.9046	3.2487				
GUE	UDDER DEPTH	GBR	UDDER DEPTH	-0.7470	3.6538				
GUE	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.0612	2.0911				
GUE	FORE ATTACHMENT	GBR	FORE UDDER	-0.6390	4.4697				
GUE	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-1.2387	4.5327				
GUE	TEAT LENGTH	GBR	TEAT LENGTH	-0.3767	1.5804				
GUE	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-4.0197	2.7771				
GUE	ANGULARITY	GBR	ANGULARITY	-4.5017	3.9974				

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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)	0.0619	5.8583	0.49			
GUE	FEET AND LEGS	USA	OVERALL FEET & LEG	-0.1695	4.8406				

GUE	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-0.8065	8.6745
GUE	STATURE	USA	STATURE	-0.2605	2.6519
GUE	CHEST WIDTH	USA	STRENGTH	1.1419	4.7723
GUE	BODY DEPTH	USA	BODY DEPTH	1.2237	3.6932
GUE	PIN WIDTH	USA	THURL WIDTH	1.3376	4.9168
GUE	RUMP ANGLE	USA	RUMP ANGLE	0.0360	3.7295
GUE	FOOT ANGLE	USA	FOOT ANGLE	1.1625	8.0351
GUE	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-0.5940	6.4998
GUE	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	-0.7322	5.7041
GUE	UDDER DEPTH	USA	UDDER DEPTH	-1.5004	3.2761
GUE	MEDIAN SUSPENSORY	USA	UDDER CLEFT	0.1000	3.9249
GUE	FORE ATTACHMENT	USA	FORE UDDER ATTACHMENT	-0.9583	4.3148
GUE	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.6303	4.1275
GUE	TEAT LENGTH	USA	TEAT LENGTH	-0.4164	2.2632
GUE	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-0.9586	3.6814
GUE	ANGULARITY	USA	DAIRY FORM	0.4431	2.6994

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CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2014

BREED	BMILK	BFAT	BPRT
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AYS	7512	308	253
BSW	8007	334	283
CN	6157	264	215
GUE	6753	313	230
JER	6362	315	243
HOL	9858	375	316
MS	6878	250	226

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

EBVFAT% = 200 \* [ (375+50\*.5) / (9858+1000\*.5) - (375/9858) ]  
= 200 \* [ (375+25) / (9858+500) - (0.03804) ]  
= 200 \* [ 0.03862 - 0.03804 ]  
= 200 \* 0.00058  
= 0.12

EBVPROT% = 200 \* [ (316+40\*.5) / (9858+1000\*.5) - (316/9858) ]  
= 200 \* [ (316+20) / (9858+500) - (0.03206) ]  
= 200 \* [ 0.03244 - 0.03206 ]  
= 200 \* 0.00038  
= 0.08