
 Conversion Factors For Production Traits. Source: INTERBULL 1508

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
GUE	AUS	-228.342	1.2689	-7.470	1.3944	-4.866	1.2307	0.6084
GUE	GBR	-328.700	2.6390	-3.000	2.5330	-8.100	2.8600	0.7396
GUE	NZL	756.020	1.6590	32.892	1.4037	27.868	1.5211	0.5776
GUE	USA	246.300	1.0140	4.900	1.1390	6.100	1.0860	0.8464
GUE	ZAF	-552.282	1.8180	-31.607	1.9005	-20.838	1.8074	0.7396

 Conversion Factors For SCS Traits. Source: INTERBULL 1508

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

breed	country2	a	b	scorr2
GUE	AUS	2.245	0.0072	0.7056
GUE	GBR	2.900	0.0160	0.8464
GUE	NZL	2.933	0.3083	0.6084
GUE	USA	0.200	0.9120	0.8649
GUE	ZAF	3.018	0.0092	0.7921

 Conversion Factors For Type. Source = INTERBULL MACE 1508

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

country2=AUS

	c		c	f				
	a		o	o		a	b	
	n		u	r		v	v	
b	t		n	t		a	a	
r	r		r	a		l	l	
e	a		y	i		u	u	
e	i		2	t		e	e	
d	t							
GUE	CONFORMATION	AUS	CONFORMATION			-50.757	0.5143	0.21
GUE	FEET AND LEGS	AUS	OVERALL FEET & LEG			-49.489	0.4969	
GUE	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE			-94.013	0.9300	
GUE	STATURE	AUS	STATURE			-120.747	1.1849	
GUE	CHEST WIDTH	AUS	CHEST WIDTH			-76.871	0.7787	
GUE	BODY DEPTH	AUS	BODY DEPTH			-84.142	0.8512	
GUE	PIN WIDTH	AUS	RUMP WIDTH			-119.680	1.1939	
GUE	RUMP ANGLE	AUS	RUMP ANGLE			-73.628	0.7312	
GUE	FOOT ANGLE	AUS	FOOT ANGLE			-38.472	0.4019	
GUE	REAR LEGS SIDE VIEW	AUS	REAR LEG SET			-75.028	0.7281	
GUE	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW			-56.356	0.5627	
GUE	UDDER DEPTH	AUS	UDDER DEPTH			-102.234	1.0279	
GUE	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY			-68.794	0.6929	
GUE	FORE ATTACHMENT	AUS	FORE UDDER			-91.602	0.9237	

GUE	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-68.569	0.6794
GUE	TEAT LENGTH	AUS	TEAT LENGTH	-31.575	0.3176
GUE	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-99.515	0.9848
GUE	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-52.786	0.5223
GUE	ANGULARITY	AUS	ANGULARITY	-33.223	0.3354

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country2=GBR

	c		c	f				
	a		o	o		a	b	t
	n		u	r		v	v	c
b	t		n	t		a	a	o
r	r		t	r		l	l	r
e	a		r	a		u	u	r
e	i		y	i		e	e	r
d	t		2	t				2
GUE	FEET AND LEGS	GBR	OVERALL FEET & LEG	0.482	3.6034			
GUE	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.784	5.0182			
GUE	STATURE	GBR	STATURE	-6.501	5.5988			
GUE	CHEST WIDTH	GBR	CHEST WIDTH	-0.217	3.8647			
GUE	BODY DEPTH	GBR	BODY DEPTH	-2.218	4.1227			
GUE	PIN WIDTH	GBR	RUMP WIDTH	-1.410	4.5131			
GUE	RUMP ANGLE	GBR	RUMP ANGLE	-0.074	3.7870			
GUE	FOOT ANGLE	GBR	FOOT ANGLE	1.178	2.8555			
GUE	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-0.926	3.2099			
GUE	UDDER DEPTH	GBR	UDDER DEPTH	-0.443	3.6858			
GUE	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.123	2.7622			
GUE	FORE ATTACHMENT	GBR	FORE UDDER	0.177	4.3800			
GUE	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	-1.010	4.4241			
GUE	TEAT LENGTH	GBR	TEAT LENGTH	-0.743	2.0269			
GUE	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-3.672	2.5071			
GUE	ANGULARITY	GBR	ANGULARITY	-4.204	4.1298			

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country2=USA

	c		c	f				
	a		o	o		a	b	t
	n		u	r		v	v	c
b	t		n	t		a	a	o
r	r		t	r		l	l	r
e	a		r	a		u	u	r
e	i		y	i		e	e	r
d	t		2	t				2
GUE	CONFORMATION	USA	PTA TYPE (FINAL SCORE)	2.920	6.0514	0.56		
GUE	FEET AND LEGS	USA	OVERALL FEET & LEG	1.948	5.0187			
GUE	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	2.336	8.8833			

GUE	STATURE	USA	STATURE	0.131	2.5715
GUE	CHEST WIDTH	USA	STRENGTH	1.466	4.8409
GUE	BODY DEPTH	USA	BODY DEPTH	1.142	3.4802
GUE	PIN WIDTH	USA	THURL WIDTH	1.141	4.7683
GUE	RUMP ANGLE	USA	RUMP ANGLE	-0.044	3.8456
GUE	FOOT ANGLE	USA	FOOT ANGLE	2.534	8.3512
GUE	REAR LEGS SIDE VIEW	USA	REAR LEGS - SIDE VIEW	-1.464	7.2396
GUE	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	0.449	6.2023
GUE	UDDER DEPTH	USA	UDDER DEPTH	0.700	3.3048
GUE	MEDIAN SUSPENSORY	USA	UDDER CLEFT	0.274	4.5907
GUE	FORE ATTACHMENT	USA	FORE UDDER ATTACHMENT	1.888	4.1803
GUE	FRONT TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	0.821	4.1706
GUE	TEAT LENGTH	USA	TEAT LENGTH	-0.678	2.6877
GUE	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	0.982	3.8319
GUE	ANGULARITY	USA	DAIRY FORM	1.288	3.2117

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2015

BREED	BMILK	BFAT	BPRT
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AYS	7537	310	255
BSW	8019	337	283
CN	5388	230	189
GUE	6718	309	233
JER	6409	320	245
HOL	9931	379	318
MS	7073	266	232

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% = $200 * [(379 + 50 * .5) / (9931 + 1000 * .5) - (379 / 9931)]$
 = $200 * [(379 + 25) / (9931 + 500) - (0.03816)]$
 = $200 * [0.03873 - 0.03816]$
 = $200 * 0.00057$
 = 0.11

EBVPROT% = $200 * [(318 + 40 * .5) / (9931 + 1000 * .5) - (318 / 9931)]$
 = $200 * [(318 + 20) / (9931 + 500) - (0.03202)]$
 = $200 * [0.03240 - 0.03202]$
 = $200 * 0.00038$
 = 0.08