
 Conversion Factors For Production Traits. Source: INTERBULL 1108

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
JER	AUS	752.94	1.2161	28.973	1.1537	23.101	1.3754	0.6724
JER	DEU	118.93	1.3239	29.106	1.1009	11.925	1.1037	0.7921
JER	DFS	-5618.84	57.4730	-156.547	2.0915	-140.322	1.6135	0.8464
JER	GBR	-248.12	2.7345	5.113	2.9855	-5.074	3.0935	0.7744
JER	IRL	1069.65	3.1415	-20.545	4.2845	15.682	2.7275	0.5776
JER	ITA	136.27	0.9822	25.257	0.8751	12.070	0.8393	0.7921
JER	NLD	2383.79	0.9459	55.706	0.9968	64.870	0.9429	0.8100
JER	NZL	822.18	1.6187	31.280	1.5052	23.884	1.6271	0.5625
JER	USA	722.89	0.9221	23.556	0.9904	22.505	0.9509	0.8100
JER	ZAF	175.22	1.7748	9.231	1.7121	7.917	1.6258	0.7396

 Conversion Factors For SCS Traits. Source: INTERBULL 1108

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

breed	country2	a	b	scorr2
JER	AUS	3.6916	-0.0066	0.6084
JER	DFS	4.5508	-0.0172	0.7569
JER	GBR	2.9358	0.0186	0.8281
JER	NLD	7.4172	-0.0463	0.8464
JER	NZL	2.9488	0.4596	0.5929
JER	USA	-0.3235	1.0948	0.8836
JER	ZAF	2.9537	0.0988	0.7396

 Conversion Factors For Type. Source = INTERBULL MACE 1108

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

country2=AUS

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

JER CONFORMATION	AUS GENERAL APPEARANCE	-33.012	0.275	0.15
JER FEET AND LEGS	AUS OVERALL FEET & LEG	-82.429	0.799	
JER MAMMARY SYSTEM	AUS OVERALL UDDER SCORE	-60.097	0.566	
JER STATURE	AUS STATURE	-57.251	0.527	
JER CHEST WIDTH	AUS CHEST WIDTH	-70.253	0.703	
JER BODY DEPTH	AUS BODY DEPTH	-55.901	0.570	
JER PIN WIDTH	AUS PIN WIDTH	-86.197	0.855	

JER RUMP ANGLE	AUS RUMP ANGLE	-56.487	0.583
JER FOOT ANGLE	AUS FOOT ANGLE	-83.645	0.817
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-40.009	0.440
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-53.609	0.503
JER UDDER DEPTH	AUS UDDER DEPTH	-66.661	0.614
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-65.490	0.660
JER FORE ATTACHMENT	AUS FORE UDDER	-41.636	0.365
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-49.506	0.488
JER TEAT LENGTH	AUS TEAT LENGTH	-42.399	0.409
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-69.584	0.662
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-83.089	0.820
JER ANGULARITY	AUS ANGULARITY	-34.957	0.340

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

country2=DNK

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

JER CONFORMATION	DNK OVERALL CONFORMATION	-18.461	0.143	0.14
JER FEET AND LEGS	DNK OVERALL FEET & LEG	-33.403	0.318	
JER MAMMARY SYSTEM	DNK OVERALL UDDER SCORE	-43.347	0.423	
JER STATURE	DNK STATURE	-47.291	0.441	
JER CHEST WIDTH	DNK CHEST WIDTH	-28.324	0.270	
JER BODY DEPTH	DNK BODY DEPTH	-30.344	0.293	
JER PIN WIDTH	DNK RUMP WIDTH	-56.009	0.502	
JER RUMP ANGLE	DNK RUMP ANGLE	-40.691	0.435	
JER FOOT ANGLE	DNK FOOT ANGLE	-36.420	0.376	
JER REAR LEGS SIDE VIEW	DNK REAR LEG SET	-34.484	0.378	
JER REAR LEG REAR VIEW	DNK REAR LEG REAR VIEW	-32.745	0.289	
JER UDDER DEPTH	DNK UDDER DEPTH	-36.613	0.357	
JER MEDIAN SUSPENSORY	DNK MEDIAN SUSPENSORY	-49.214	0.494	
JER FORE ATTACHMENT	DNK FORE UDDER	-32.518	0.296	
JER FRONT TEAT PLACEMENT	DNK FRONT TEAT PLACEMENT	-42.308	0.402	
JER TEAT LENGTH	DNK TEAT LENGTH	-30.770	0.303	
JER REAR ATTACHMENT HEIGHT	DNK REAR UDDER WIDTH	-46.263	0.443	
JER REAR TEAT PLACEMENT	DNK REAR TEAT PLACEMENT	-45.906	0.438	
JER ANGULARITY	DNK DAIRY FORM	-21.586	0.197	

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
JER CONFORMATION	GBR CONFORMATION	-4.202	3.188 0.66
JER FEET AND LEGS	GBR OVERALL FEET & LEG	-3.076	3.714
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-2.316	3.794
JER STATURE	GBR STATURE	-6.922	6.080
JER CHEST WIDTH	GBR CHEST WIDTH	-0.839	3.306
JER BODY DEPTH	GBR BODY DEPTH	0.823	2.370
JER PIN WIDTH	GBR RUMP WIDTH	-3.272	4.720
JER RUMP ANGLE	GBR RUMP ANGLE	-0.225	4.776
JER FOOT ANGLE	GBR FOOT ANGLE	-1.550	3.765
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	2.696	2.658
JER UDDER DEPTH	GBR UDDER DEPTH	-2.097	3.109
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-0.859	3.707
JER FORE ATTACHMENT	GBR FORE UDDER	-1.777	3.209
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-0.288	3.559
JER TEAT LENGTH	GBR TEAT LENGTH	-1.056	2.963
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-4.490	4.909
JER REAR TEAT PLACEMENT	GBR REAR TEAT PLACEMENT	-1.392	0.000
JER ANGULARITY	GBR ANGULARITY	-2.552	3.466

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

country2=ITA

c	c f	a	b t
a	o o	v	v c
n	u r	a	a o
b t	n t	l	l r
r r	t r	u	u r
e a	r a	e	e 2
e i	y i		
d t	2 t		
JER CONFORMATION	ITA CONFORMATION	-3.966	5.610 0.61
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-2.085	4.040
JER STATURE	ITA STATURE	-2.586	4.361
JER CHEST WIDTH	ITA CHEST WIDTH	-1.167	4.200
JER BODY DEPTH	ITA BODY DEPTH	2.162	2.517
JER PIN WIDTH	ITA RUMP WIDTH	-1.254	3.625
JER RUMP ANGLE	ITA RUMP ANGLE	0.598	3.914
JER FOOT ANGLE	ITA FOOT ANGLE	-0.246	2.909
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	3.061	2.309
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-2.720	1.107
JER UDDER DEPTH	ITA UDDER DEPTH	-2.255	3.686
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	0.264	2.217
JER FORE ATTACHMENT	ITA FORE UDDER	-3.558	3.023
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-0.952	1.950
JER TEAT LENGTH	ITA TEAT LENGTH	-0.529	1.446
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-1.576	4.156
JER ANGULARITY	ITA ANGULARITY	0.203	2.362

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

country2=NLD

c	c	f			
a	o	o			
n	u	r	a	b	t
b	n	t	v	v	c
r	t	r	a	a	o
e	r	a	l	l	r
e	y	i	u	u	r
d	2	t	e	e	2
JER CONFORMATION	NLD CONFORMATION		-124.043	1.446	0.53
JER FEET AND LEGS	NLD OVERALL FEET & LEG		-118.753	1.026	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE		-109.789	1.189	
JER STATURE	NLD STATURE		-73.357	1.003	
JER CHEST WIDTH	NLD CHEST WIDTH		-86.524	1.078	
JER BODY DEPTH	NLD BODY DEPTH		-108.296	1.334	
JER PIN WIDTH	NLD RUMP WIDTH		10.115	-0.143	
JER RUMP ANGLE	NLD RUMP ANGLE		-100.669	1.080	
JER FOOT ANGLE	NLD FOOT ANGLE		-124.554	1.294	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET		-88.998	0.906	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW		-65.150	0.560	
JER UDDER DEPTH	NLD UDDER DEPTH		-92.019	0.993	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY		-93.800	0.974	
JER FORE ATTACHMENT	NLD FORE UDDER		-76.023	0.758	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT		-109.541	1.102	
JER TEAT LENGTH	NLD TEAT LENGTH		-102.218	0.985	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT		-129.534	1.319	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT		-100.324	1.036	
JER ANGULARITY	NLD ANGULARITY		-69.862	0.731	

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country2=NZL

c	c	f			
a	o	o			
n	u	r	a	b	t
b	n	t	v	v	c
r	t	r	a	a	o
e	r	a	l	l	r
e	y	i	u	u	r
d	2	t	e	e	2
JER CONFORMATION	NZL OVERALL CONFORMATION		-7.021	8.238	0.24
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE		-5.839	9.161	
JER STATURE	NZL STATURE		7.660	14.473	
JER CHEST WIDTH	NZL CHEST WIDTH		1.988	6.830	
JER BODY DEPTH	NZL BODY DEPTH		3.171	10.087	

JER PIN WIDTH	NZL RUMP WIDTH	3.444	17.925
JER RUMP ANGLE	NZL RUMP ANGLE	2.166	17.321
JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.378	29.588
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-1.249	7.631
JER FORE ATTACHMENT	NZL FORE UDDER	-5.851	6.620
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-2.716	17.939
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-7.652	10.815
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-0.498	14.604

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

country2=USA

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

JER CONFORMATION	USA PTA TYPE (FINAL SCORE)	-2.848	4.798	0.55
JER FEET AND LEGS	USA OVERALL FEET & LEG	-2.624	5.374	
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-1.827	7.468	
JER STATURE	USA STATURE	-1.801	4.002	
JER CHEST WIDTH	USA STRENGTH	-1.802	6.178	
JER PIN WIDTH	USA THURL WIDTH	-1.035	5.265	
JER RUMP ANGLE	USA RUMP ANGLE	1.894	4.939	
JER FOOT ANGLE	USA FOOT ANGLE	-2.258	6.923	
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	3.305	7.915	
JER UDDER DEPTH	USA UDDER DEPTH	-3.769	3.293	
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	0.697	6.958	
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-3.501	4.353	
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.651	5.008	
JER TEAT LENGTH	USA TEAT LENGTH	-0.398	4.203	
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-1.123	4.791	
JER ANGULARITY	USA DAIRY FORM	0.823	4.363	

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

country2=ZAF

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

JER STATURE	ZAF STATURE	-5.865	24.561
JER CHEST WIDTH	ZAF CHEST WIDTH	-2.439	25.380
JER BODY DEPTH	ZAF BODY DEPTH	-1.794	18.611
JER PIN WIDTH	ZAF RUMP WIDTH	-4.010	36.646
JER RUMP ANGLE	ZAF RUMP ANGLE	0.829	24.884
JER FOOT ANGLE	ZAF FOOT ANGLE	-1.454	21.543
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	3.037	41.599
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-2.904	0.926
JER UDDER DEPTH	ZAF UDDER DEPTH	-3.052	23.685
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-0.516	31.752
JER FORE ATTACHMENT	ZAF FORE UDDER	-4.126	18.866
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-1.365	17.363
JER TEAT LENGTH	ZAF TEAT LENGTH	-0.514	10.565
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-3.789	20.469
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-1.109	15.234
JER ANGULARITY	ZAF ANGULARITY	-2.635	20.576

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

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

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