
Conversion Factors For Production Traits. Source: INTERBULL 1208

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
JER	AUS	680.39	1.198	25.321	1.151	20.396	1.326	0.6724
JER	DEU	109.02	1.184	28.307	1.037	11.604	1.001	0.7744
JER	DFS	-5983.93	61.677	-144.331	2.006	-139.952	1.635	0.8464
JER	GBR	-360.27	2.686	1.822	3.042	-5.913	3.019	0.7569
JER	IRL	1165.96	3.485	-13.170	3.620	13.948	2.973	0.5929
JER	ITA	122.19	1.025	23.601	0.889	11.438	0.839	0.7744
JER	NLD	2401.34	0.933	55.097	1.008	63.999	0.920	0.7921
JER	NZL	713.31	1.578	25.208	1.476	20.453	1.573	0.5625
JER	USA	783.63	0.905	24.977	0.964	24.222	0.922	0.8100
JER	ZAF	239.84	1.737	9.146	1.698	9.561	1.594	0.7225

Conversion Factors For SCS Traits. Source: INTERBULL 1208

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

breed	country2	a	b	scorr2
JER	AUS	3.692	-0.006	0.6084
JER	DFS	4.500	-0.016	0.7569
JER	GBR	2.944	0.018	0.8464
JER	NLD	-1.445	0.046	0.8281
JER	NZL	2.971	0.457	0.5776
JER	USA	-0.165	1.048	0.8836
JER	ZAF	2.955	0.014	0.7396

Conversion Factors For Type. Source = INTERBULL MACE 1208

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

country2=AUS

c	c	f				
a		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		AUS GENERAL APPEARANCE		-33.192	0.2732	0.15
JER FEET AND LEGS		AUS OVERALL FEET & LEG		-85.758	0.8204	
JER MAMMARY SYSTEM		AUS OVERALL UDDER SCORE		-64.432	0.6002	
JER STATURE		AUS STATURE		-59.111	0.5515	
JER CHEST WIDTH		AUS CHEST WIDTH		-78.173	0.7981	
JER BODY DEPTH		AUS BODY DEPTH		-69.753	0.7101	
JER PIN WIDTH		AUS PIN WIDTH		-90.059	0.8973	

JER RUMP ANGLE	AUS RUMP ANGLE	-55.165	0.5691
JER FOOT ANGLE	AUS FOOT ANGLE	-95.385	0.9324
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-34.052	0.3741
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-44.461	0.4032
JER UDDER DEPTH	AUS UDDER DEPTH	-62.255	0.5709
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-64.606	0.6453
JER FORE ATTACHMENT	AUS FORE UDDER	-49.801	0.4399
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-53.874	0.5295
JER TEAT LENGTH	AUS TEAT LENGTH	-42.722	0.4129
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-69.699	0.6522
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-83.964	0.8272
JER ANGULARITY	AUS ANGULARITY	-51.611	0.4868

Conversion Factors For Type. Source = INTERBULL MACE 1208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DFS

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	DFS CONFORMATION	-19.499	0.1485	0.14
JER FEET AND LEGS	DFS OVERALL FEET & LEG	-33.140	0.3090	
JER MAMMARY SYSTEM	DFS OVERALL UDDER SCORE	-44.934	0.4377	
JER STATURE	DFS STATURE	-49.968	0.4711	
JER CHEST WIDTH	DFS CHEST WIDTH	-29.486	0.2901	
JER BODY DEPTH	DFS BODY DEPTH	-33.185	0.3188	
JER PIN WIDTH	DFS RUMP WIDTH	-58.622	0.5261	
JER RUMP ANGLE	DFS RUMP ANGLE	-38.782	0.4218	
JER FOOT ANGLE	DFS FOOT ANGLE	-36.058	0.3743	
JER REAR LEGS SIDE VIEW	DFS REAR LEG SET	-33.928	0.3699	
JER REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW	-36.679	0.3182	
JER UDDER DEPTH	DFS UDDER DEPTH	-34.801	0.3368	
JER MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY	-50.868	0.5029	
JER FORE ATTACHMENT	DFS FORE UDDER	-33.216	0.2984	
JER TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT	-43.622	0.4090	
JER TEAT LENGTH	DFS TEAT LENGTH	-32.131	0.3181	
JER REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT	-48.876	0.4680	
JER REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT	-47.644	0.4484	
JER ANGULARITY	DFS ANGULARITY	-28.407	0.2511	

Conversion Factors For Type. Source = INTERBULL MACE 1208
 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	-5.465	3.0585	0.66
JER FEET AND LEGS	GBR OVERALL FEET & LEG	-3.637	3.5557	
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-3.479	4.0078	
JER STATURE	GBR STATURE	-7.976	6.7384	
JER CHEST WIDTH	GBR CHEST WIDTH	-0.063	3.7633	
JER BODY DEPTH	GBR BODY DEPTH	-0.409	3.0294	
JER PIN WIDTH	GBR RUMP WIDTH	-3.269	4.7111	
JER RUMP ANGLE	GBR RUMP ANGLE	-0.552	4.6103	
JER FOOT ANGLE	GBR FOOT ANGLE	-2.120	3.4796	
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	2.366	2.5942	
JER UDDER DEPTH	GBR UDDER DEPTH	-2.279	3.1338	
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-1.734	3.7907	
JER FORE ATTACHMENT	GBR FORE UDDER	-1.928	3.2653	
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-1.157	3.6950	
JER TEAT LENGTH	GBR TEAT LENGTH	-1.726	3.3030	
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-5.565	5.3764	
JER ANGULARITY	GBR ANGULARITY	-4.806	3.9624	

Conversion Factors For Type. Source = INTERBULL MACE 1208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ITA

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	ITA CONFORMATION	-4.652	5.4579	0.61
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-2.473	3.6325	
JER STATURE	ITA STATURE	-3.112	4.4249	
JER CHEST WIDTH	ITA CHEST WIDTH	-1.201	4.5117	
JER BODY DEPTH	ITA BODY DEPTH	0.479	3.3504	
JER PIN WIDTH	ITA RUMP WIDTH	-1.830	3.2195	
JER RUMP ANGLE	ITA RUMP ANGLE	0.748	3.6691	
JER FOOT ANGLE	ITA FOOT ANGLE	-0.852	2.7009	
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	2.857	2.1564	
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-3.588	1.0774	
JER UDDER DEPTH	ITA UDDER DEPTH	-2.347	3.3931	
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-0.870	2.3445	
JER FORE ATTACHMENT	ITA FORE UDDER	-4.084	2.9650	
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-1.956	2.0877	
JER TEAT LENGTH	ITA TEAT LENGTH	-0.905	1.5669	
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-1.904	4.4096	
JER ANGULARITY	ITA ANGULARITY	-1.494	2.8150	

 Conversion Factors For Type. Source = INTERBULL MACE 1208
 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		-113.235	1.3014	0.53
JER FEET AND LEGS	NLD OVERALL FEET & LEG		-130.514	1.1264	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE		-114.184	1.2176	
JER STATURE	NLD STATURE		-80.561	1.0981	
JER CHEST WIDTH	NLD CHEST WIDTH		-87.093	1.0955	
JER BODY DEPTH	NLD BODY DEPTH		-126.625	1.5354	
JER PIN WIDTH	NLD RUMP WIDTH		-62.836	0.7471	
JER RUMP ANGLE	NLD RUMP ANGLE		-102.520	1.0974	
JER FOOT ANGLE	NLD FOOT ANGLE		-113.088	1.1700	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET		-89.943	0.9096	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW		-72.980	0.6232	
JER UDDER DEPTH	NLD UDDER DEPTH		-87.793	0.9406	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY		-99.766	1.0228	
JER FORE ATTACHMENT	NLD FORE UDDER		-77.595	0.7653	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT		-106.606	1.0665	
JER TEAT LENGTH	NLD TEAT LENGTH		-104.691	1.0041	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT		-151.287	1.5244	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT		-107.888	1.1062	
JER ANGULARITY	NLD ANGULARITY		-95.284	0.9828	

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 Converted Proof Reliability = TCORR2*Foreign Reliability

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		-8.146	8.2537	0.24
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE		-7.246	9.5692	
JER STATURE	NZL STATURE		7.866	15.6031	
JER CHEST WIDTH	NZL CHEST WIDTH		3.988	8.8911	
JER BODY DEPTH	NZL BODY DEPTH		3.079	10.5179	
JER PIN WIDTH	NZL RUMP WIDTH		4.575	19.1037	

JER RUMP ANGLE	NZL RUMP ANGLE	1.934	17.5439
JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	0.931	27.9088
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-2.504	8.4542
JER FORE ATTACHMENT	NZL FORE UDDER	-6.386	6.6174
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-3.585	18.3632
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-9.000	11.7913
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-0.844	15.4630

Conversion Factors For Type. Source = INTERBULL MACE 1208
 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)	-3.825	4.6722	0.55
JER FEET AND LEGS	USA OVERALL FEET & LEG	-2.716	5.2974	
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-2.814	7.6476	
JER STATURE	USA STATURE	-1.624	4.2869	
JER CHEST WIDTH	USA STRENGTH	-1.656	6.7644	
JER PIN WIDTH	USA THURL WIDTH	-0.873	5.3455	
JER RUMP ANGLE	USA RUMP ANGLE	1.836	4.8321	
JER FOOT ANGLE	USA FOOT ANGLE	-2.565	6.6289	
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	2.885	7.6797	
JER UDDER DEPTH	USA UDDER DEPTH	-3.719	3.0800	
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	0.178	7.1231	
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-3.838	4.1863	
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-1.033	4.9887	
JER TEAT LENGTH	USA TEAT LENGTH	-0.718	4.3814	
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-1.474	4.8178	
JER ANGULARITY	USA DAIRY FORM	-0.206	5.2090	

Conversion Factors For Type. Source = INTERBULL MACE 1208
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 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	-67.434	0.6274
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JER CHEST WIDTH	ZAF CHEST WIDTH	-53.763	0.5212
JER BODY DEPTH	ZAF BODY DEPTH	-53.653	0.5228
JER PIN WIDTH	ZAF RUMP WIDTH	-49.197	0.4693
JER RUMP ANGLE	ZAF RUMP ANGLE	-48.792	0.5051
JER FOOT ANGLE	ZAF FOOT ANGLE	-37.117	0.3524
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	-27.686	0.3039
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-4.672	0.0084
JER UDDER DEPTH	ZAF UDDER DEPTH	-40.843	0.3717
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-52.897	0.5251
JER FORE ATTACHMENT	ZAF FORE UDDER	-40.930	0.3629
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-51.265	0.4981
JER TEAT LENGTH	ZAF TEAT LENGTH	-39.716	0.3842
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-50.342	0.4749
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-53.415	0.5257
JER ANGULARITY	ZAF ANGULARITY	-47.103	0.4466

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2012

BREED	BMILK	BFAT	BPRT
AYS	7378	299	248
BSW	8038	329	280
CN	5803	247	204
GUE	6752	303	229
JER	6320	311	241
HOL	9670	364	310
MS	6617	241	218

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

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

EXAMPLE :

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

$$\begin{aligned}
 EBVFAT\% &= 200 * [(364 + 50 * .5) / (9670 + 1000 * .5) - (364 / 9670)] \\
 &= 200 * [(364 + 25) / (9670 + 500) - (0.03764)] \\
 &= 200 * [0.03825 - 0.03764] \\
 &= 200 * 0.00061 \\
 &= 0.12
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [(310 + 40 * .5) / (9670 + 1000 * .5) - (310 / 9670)] \\
 &= 200 * [(310 + 20) / (9670 + 500) - (0.03206)] \\
 &= 200 * [0.03245 - 0.03206] \\
 &= 200 * 0.00039 \\
 &= 0.08
 \end{aligned}$$