
 Conversion Factors For Production Traits. Source: INTERBULL 1112

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
JER	AUS	744.32	1.2248	28.293	1.1495	22.525	1.3825	0.6724
JER	DEU	118.43	1.2965	29.158	1.0645	11.930	1.0760	0.7744
JER	DFS	-5730.11	58.7625	-157.825	2.1195	-142.377	1.6469	0.8464
JER	GBR	-260.30	2.7104	5.494	2.9658	-4.745	3.0625	0.7744
JER	IRL	1203.50	3.6169	-18.707	4.0142	13.418	3.0959	0.5929
JER	ITA	151.04	1.0176	25.591	0.9005	12.265	0.8673	0.7744
JER	NLD	2471.25	0.9554	56.570	1.0035	66.425	0.9480	0.8100
JER	NZL	853.49	1.6636	31.459	1.5315	24.225	1.6551	0.5625
JER	USA	728.85	0.9444	23.202	0.9973	22.366	0.9670	0.8100
JER	ZAF	167.44	1.8046	9.008	1.7229	7.618	1.6453	0.7396

 Conversion Factors For SCS Traits. Source: INTERBULL 1112

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

breed	country2	a	b	scorr2
JER	AUS	3.6948	-0.0067	0.6084
JER	DFS	4.5494	-0.0172	0.7569
JER	GBR	2.9276	0.0190	0.8281
JER	NLD	7.5304	-0.0475	0.8464
JER	NZL	2.9437	0.4560	0.5776
JER	USA	-0.3371	1.0983	0.8836
JER	ZAF	2.9479	0.0987	0.7396

 Conversion Factors For Type. Source = INTERBULL MACE 1112

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	-34.924	0.295	0.20
JER FEET AND LEGS	AUS OVERALL FEET & LEG	-75.084	0.726	
JER MAMMARY SYSTEM	AUS OVERALL UDDER SCORE	-59.344	0.561	
JER STATURE	AUS STATURE	-59.029	0.544	
JER CHEST WIDTH	AUS CHEST WIDTH	-81.271	0.815	
JER BODY DEPTH	AUS BODY DEPTH	-57.872	0.588	
JER PIN WIDTH	AUS PIN WIDTH	-89.554	0.889	

JER RUMP ANGLE	AUS RUMP ANGLE	-54.763	0.564
JER FOOT ANGLE	AUS FOOT ANGLE	-52.607	0.508
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-32.590	0.362
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-47.207	0.441
JER UDDER DEPTH	AUS UDDER DEPTH	-66.095	0.607
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-69.220	0.697
JER FORE ATTACHMENT	AUS FORE UDDER	-46.438	0.414
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-49.281	0.485
JER TEAT LENGTH	AUS TEAT LENGTH	-44.391	0.428
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-68.826	0.653
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-84.060	0.829
JER ANGULARITY	AUS ANGULARITY	-40.051	0.385

Conversion Factors For Type. Source = INTERBULL MACE 1112
 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	-20.900	0.167	0.19
JER FEET AND LEGS	DNK OVERALL FEET & LEG	-34.202	0.326	
JER MAMMARY SYSTEM	DNK OVERALL UDDER SCORE	-44.309	0.436	
JER STATURE	DNK STATURE	-47.550	0.446	
JER CHEST WIDTH	DNK CHEST WIDTH	-31.159	0.303	
JER BODY DEPTH	DNK BODY DEPTH	-31.916	0.306	
JER PIN WIDTH	DNK RUMP WIDTH	-58.342	0.522	
JER RUMP ANGLE	DNK RUMP ANGLE	-40.038	0.431	
JER FOOT ANGLE	DNK FOOT ANGLE	-32.670	0.337	
JER REAR LEGS SIDE VIEW	DNK REAR LEG SET	-32.922	0.361	
JER REAR LEG REAR VIEW	DNK REAR LEG REAR VIEW	-34.911	0.312	
JER UDDER DEPTH	DNK UDDER DEPTH	-36.231	0.351	
JER MEDIAN SUSPENSORY	DNK MEDIAN SUSPENSORY	-49.948	0.501	
JER FORE ATTACHMENT	DNK FORE UDDER	-34.495	0.319	
JER FRONT TEAT PLACEMENT	DNK FRONT TEAT PLACEMENT	-41.836	0.398	
JER TEAT LENGTH	DNK TEAT LENGTH	-30.688	0.302	
JER REAR ATTACHMENT HEIGHT	DNK REAR UDDER WIDTH	-45.989	0.443	
JER REAR TEAT PLACEMENT	DNK REAR TEAT PLACEMENT	-46.203	0.441	
JER ANGULARITY	DNK DAIRY FORM	-25.050	0.227	

Conversion Factors For Type. Source = INTERBULL MACE 1112
 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	-4.363	3.282 0.67
JER FEET AND LEGS	GBR OVERALL FEET & LEG	-2.915	3.594
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-2.211	4.000
JER STATURE	GBR STATURE	-6.804	6.162
JER CHEST WIDTH	GBR CHEST WIDTH	-0.427	3.849
JER BODY DEPTH	GBR BODY DEPTH	-0.090	2.777
JER PIN WIDTH	GBR RUMP WIDTH	-3.171	4.975
JER RUMP ANGLE	GBR RUMP ANGLE	-0.362	4.711
JER FOOT ANGLE	GBR FOOT ANGLE	-1.489	3.005
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	2.469	2.538
JER UDDER DEPTH	GBR UDDER DEPTH	-2.200	3.134
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-0.828	3.773
JER FORE ATTACHMENT	GBR FORE UDDER	-1.632	3.277
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-0.302	3.618
JER TEAT LENGTH	GBR TEAT LENGTH	-1.197	3.044
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-4.292	4.866
JER REAR TEAT PLACEMENT	GBR REAR TEAT PLACEMENT	-1.539	0.000
JER ANGULARITY	GBR ANGULARITY	-2.917	3.827

Conversion Factors For Type. Source = INTERBULL MACE 1112
 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	-3.828	5.586 0.58
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-1.925	4.146
JER STATURE	ITA STATURE	-2.441	4.286
JER CHEST WIDTH	ITA CHEST WIDTH	-0.820	4.423
JER BODY DEPTH	ITA BODY DEPTH	1.453	3.053
JER PIN WIDTH	ITA RUMP WIDTH	-1.338	3.499
JER RUMP ANGLE	ITA RUMP ANGLE	0.372	3.934
JER FOOT ANGLE	ITA FOOT ANGLE	-0.412	2.705
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	2.694	1.912
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-2.515	1.755
JER UDDER DEPTH	ITA UDDER DEPTH	-2.384	3.619
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	0.416	2.363
JER FORE ATTACHMENT	ITA FORE UDDER	-3.371	2.888
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-0.845	1.670
JER TEAT LENGTH	ITA TEAT LENGTH	-0.539	1.535
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-1.410	4.099
JER ANGULARITY	ITA ANGULARITY	0.068	2.658

 Conversion Factors For Type. Source = INTERBULL MACE 1112
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NLD

c a n b t r r e a e i d t	c f o o u r n t t r r a y i 2 t	a v a l u e	b v a l u e	t c o r r e 2
JER CONFORMATION	NLD CONFORMATION	-122.191	1.425	0.50
JER FEET AND LEGS	NLD OVERALL FEET & LEG	-120.372	1.039	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE	-114.139	1.237	
JER STATURE	NLD STATURE	-76.367	1.046	
JER CHEST WIDTH	NLD CHEST WIDTH	-85.652	1.077	
JER BODY DEPTH	NLD BODY DEPTH	-112.075	1.378	
JER PIN WIDTH	NLD RUMP WIDTH	8.349	-0.120	
JER RUMP ANGLE	NLD RUMP ANGLE	-99.749	1.069	
JER FOOT ANGLE	NLD FOOT ANGLE	-118.913	1.235	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET	-70.600	0.723	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW	-75.807	0.656	
JER UDDER DEPTH	NLD UDDER DEPTH	-93.955	1.014	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY	-104.749	1.089	
JER FORE ATTACHMENT	NLD FORE UDDER	-73.715	0.736	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT	-107.926	1.085	
JER TEAT LENGTH	NLD TEAT LENGTH	-100.408	0.968	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT	-129.017	1.314	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT	-96.902	0.997	
JER ANGULARITY	NLD ANGULARITY	-78.115	0.815	

 Conversion Factors For Type. Source = INTERBULL MACE 1112
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NZL

c a n b t r r e a e i d t	c f o o u r n t t r r a y i 2 t	a v a l u e	b v a l u e	t c o r r e 2
JER CONFORMATION	NZL OVERALL CONFORMATION	-7.222	9.543	0.32
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE	-5.832	9.896	
JER STATURE	NZL STATURE	7.660	14.666	
JER CHEST WIDTH	NZL CHEST WIDTH	2.883	8.137	
JER BODY DEPTH	NZL BODY DEPTH	2.559	9.235	

JER PIN WIDTH	NZL RUMP WIDTH	3.992	18.807
JER RUMP ANGLE	NZL RUMP ANGLE	2.002	17.170
JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.294	25.560
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-1.128	7.043
JER FORE ATTACHMENT	NZL FORE UDDER	-5.846	7.537
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-2.745	17.622
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-7.381	11.105
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-0.636	14.682

Conversion Factors For Type. Source = INTERBULL MACE 1112
 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)	-2.878	4.867	0.58
JER FEET AND LEGS	USA OVERALL FEET & LEG	-2.568	5.261	
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-1.790	7.562	
JER STATURE	USA STATURE	-1.722	4.106	
JER CHEST WIDTH	USA STRENGTH	-1.708	6.460	
JER PIN WIDTH	USA THURL WIDTH	-0.985	5.344	
JER RUMP ANGLE	USA RUMP ANGLE	1.754	4.884	
JER FOOT ANGLE	USA FOOT ANGLE	-2.181	6.266	
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	3.124	7.332	
JER UDDER DEPTH	USA UDDER DEPTH	-3.921	3.259	
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	0.874	7.092	
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-3.506	4.299	
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.702	4.892	
JER TEAT LENGTH	USA TEAT LENGTH	-0.429	4.264	
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-1.153	4.681	
JER ANGULARITY	USA DAIRY FORM	0.706	4.687	

Conversion Factors For Type. Source = INTERBULL MACE 1112
 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	-5.927	24.696
JER CHEST WIDTH	ZAF CHEST WIDTH	-2.234	28.319
JER BODY DEPTH	ZAF BODY DEPTH	-2.387	19.310
JER PIN WIDTH	ZAF RUMP WIDTH	-3.900	36.977
JER RUMP ANGLE	ZAF RUMP ANGLE	0.645	24.708
JER FOOT ANGLE	ZAF FOOT ANGLE	-1.483	17.536
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	2.740	39.358
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-2.875	6.191
JER UDDER DEPTH	ZAF UDDER DEPTH	-3.192	23.438
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-0.369	32.225
JER FORE ATTACHMENT	ZAF FORE UDDER	-4.037	19.391
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-1.390	17.137
JER TEAT LENGTH	ZAF TEAT LENGTH	-0.604	11.088
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-3.595	20.526
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-1.203	15.145
JER ANGULARITY	ZAF ANGULARITY	-3.079	22.944

CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2011

BREED	BMILK	BFAT	BPRT
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AYS	7323	296	246
BSW	7976	327	278
CN	5223	227	186
GUE	6933	311	237
JER	6259	306	239
HOL	9608	360	308
MS	6539	229	215

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

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

EXAMPLE :

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

$$\begin{aligned}
 EBVFAT\% &= 200 * [(360 + 50 * .5) / (9608 + 1000 * .5) - (360 / 9608)] \\
 &= 200 * [(360 + 25) / (9608 + 500) - (0.03747)] \\
 &= 200 * [0.03809 - 0.03747] \\
 &= 200 * 0.00062 \\
 &= 0.12
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [(308 + 40 * .5) / (9608 + 1000 * .5) - (308 / 9608)] \\
 &= 200 * [(308 + 20) / (9608 + 500) - (0.03206)] \\
 &= 200 * [0.03245 - 0.03206] \\
 &= 200 * 0.00039 \\
 &= 0.08
 \end{aligned}$$