
Conversion Factors For Production Traits. Source: INTERBULL 1604

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
JER	AUS	544.60	1.0590	17.300	1.1030	15.600	1.1310	0.5929
JER	DEU	257.80	1.0263	24.398	0.9914	12.528	0.9169	0.7396
JER	DFS	-5531.10	57.0840	-146.400	1.9970	-135.500	1.5740	0.8281
JER	GBR	-246.60	2.7170	9.100	2.9230	-3.100	2.8610	0.7225
JER	IRL	465.80	2.2200	-31.100	3.5860	0.000	1.9120	0.5625
JER	ITA	169.43	0.9472	20.058	0.8749	10.413	0.8065	0.7225
JER	NLD	2320.40	0.8891	46.492	0.9132	58.811	0.8375	0.7744
JER	NZL	481.30	1.4210	12.400	1.2660	10.200	1.2800	0.4761
JER	USA	784.80	0.8790	27.300	0.9500	24.100	0.8890	0.8100
JER	ZAF	322.60	1.5610	10.000	1.6930	10.300	1.5410	0.7056

Conversion Factors For SCS Traits. Source: INTERBULL 1604

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

breed	country2	a	b	scorr2
JER	AUS	3.700	-0.0060	0.7396
JER	DFS	4.400	-0.0160	0.8464
JER	GBR	2.971	0.0179	0.8464
JER	NLD	-1.367	0.0461	0.8464
JER	NZL	2.900	0.4920	0.7396
JER	USA	-0.200	1.0770	0.8281
JER	ZAF	2.900	0.0100	0.8100

Conversion Factors For Type. Source = INTERBULL MACE 1604

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

country2=AUS

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 2
JER CONFORMATION	AUS GENERAL APPEARANCE	-55.675	0.4938	0.25
JER FEET AND LEGS	AUS OVERALL FEET & LEG	-51.019	0.4642	
JER MAMMARY SYSTEM	AUS OVERALL UDDER SCORE	-80.348	0.7499	
JER STATURE	AUS STATURE	-98.469	0.9411	
JER CHEST WIDTH	AUS CHEST WIDTH	-94.069	0.9551	
JER BODY DEPTH	AUS BODY DEPTH	-90.815	0.9202	
JER PIN WIDTH	AUS PIN WIDTH	-93.453	0.9344	

JER RUMP ANGLE	AUS RUMP ANGLE	-77.823	0.7881
JER FOOT ANGLE	AUS FOOT ANGLE	-55.076	0.5176
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-45.759	0.4894
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-46.144	0.4028
JER UDDER DEPTH	AUS UDDER DEPTH	-93.602	0.8881
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-110.653	1.1109
JER FORE ATTACHMENT	AUS FORE UDDER	-62.100	0.5703
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-88.974	0.8814
JER TEAT LENGTH	AUS TEAT LENGTH	-80.279	0.7938
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-103.044	0.9919
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-103.224	1.0407
JER ANGULARITY	AUS ANGULARITY	-85.022	0.8110

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 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	-33.869	0.2905	0.52
JER FEET AND LEGS	DFS OVERALL FEET & LEG	-35.550	0.3244	
JER MAMMARY SYSTEM	DFS OVERALL UDDER SCORE	-39.761	0.3719	
JER STATURE	DFS STATURE	-52.199	0.4903	
JER CHEST WIDTH	DFS CHEST WIDTH	-33.621	0.3214	
JER BODY DEPTH	DFS BODY DEPTH	-38.328	0.3563	
JER PIN WIDTH	DFS RUMP WIDTH	-55.447	0.4940	
JER RUMP ANGLE	DFS RUMP ANGLE	-43.874	0.4583	
JER FOOT ANGLE	DFS FOOT ANGLE	-37.845	0.3711	
JER REAR LEGS SIDE VIEW	DFS REAR LEG SET	-39.093	0.4241	
JER REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW	-45.358	0.3882	
JER UDDER DEPTH	DFS UDDER DEPTH	-36.588	0.3626	
JER MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY	-45.876	0.4478	
JER FORE ATTACHMENT	DFS FORE UDDER	-35.411	0.3291	
JER TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT	-47.078	0.4387	
JER TEAT LENGTH	DFS TEAT LENGTH	-34.596	0.3484	
JER REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT	-55.098	0.5403	
JER REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT	-48.733	0.4569	
JER ANGULARITY	DFS ANGULARITY	-43.704	0.4109	

Conversion Factors For Type. Source = INTERBULL MACE 1604
 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 FEET AND LEGS	GBR OVERALL FEET & LEG	-3.292	3.2390
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-2.961	3.9314
JER STATURE	GBR STATURE	-6.014	5.8727
JER CHEST WIDTH	GBR CHEST WIDTH	-0.083	3.5805
JER BODY DEPTH	GBR BODY DEPTH	-0.449	2.9922
JER PIN WIDTH	GBR RUMP WIDTH	-3.264	4.4254
JER RUMP ANGLE	GBR RUMP ANGLE	-0.333	4.3616
JER FOOT ANGLE	GBR FOOT ANGLE	-1.808	3.1646
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	1.912	2.7465
JER UDDER DEPTH	GBR UDDER DEPTH	-1.218	2.9727
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-1.109	3.4052
JER FORE ATTACHMENT	GBR FORE UDDER	-1.300	2.9286
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-1.188	3.8759
JER TEAT LENGTH	GBR TEAT LENGTH	-0.687	3.5184
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-3.552	4.8643
JER ANGULARITY	GBR ANGULARITY	-5.326	4.5135

Conversion Factors For Type. Source = INTERBULL MACE 1604
 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	-4.405	6.2178	0.66
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-3.024	3.7989	
JER STATURE	ITA STATURE	-3.319	4.8824	
JER CHEST WIDTH	ITA CHEST WIDTH	-0.038	4.2276	
JER BODY DEPTH	ITA BODY DEPTH	-0.379	3.0488	
JER PIN WIDTH	ITA RUMP WIDTH	-2.541	3.6063	
JER RUMP ANGLE	ITA RUMP ANGLE	0.696	3.6361	
JER FOOT ANGLE	ITA FOOT ANGLE	-1.264	2.2776	
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	2.251	2.9818	
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-3.944	4.0223	
JER UDDER DEPTH	ITA UDDER DEPTH	-2.241	3.2863	
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-0.478	3.0705	
JER FORE ATTACHMENT	ITA FORE UDDER	-3.308	2.8869	
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-2.519	2.9495	
JER TEAT LENGTH	ITA TEAT LENGTH	-0.075	2.7601	
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-2.302	4.1527	
JER ANGULARITY	ITA ANGULARITY	-2.491	4.3477	

Conversion Factors For Type. Source = INTERBULL MACE 1604
 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		-155.423	1.7073	0.62
JER FEET AND LEGS	NLD OVERALL FEET & LEG		-83.318	0.7112	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE		-109.170	1.1559	
JER STATURE	NLD STATURE		-88.925	1.2256	
JER CHEST WIDTH	NLD CHEST WIDTH		-103.513	1.3146	
JER BODY DEPTH	NLD BODY DEPTH		-130.821	1.5783	
JER PIN WIDTH	NLD RUMP WIDTH		-112.953	1.4142	
JER RUMP ANGLE	NLD RUMP ANGLE		-107.256	1.1477	
JER FOOT ANGLE	NLD FOOT ANGLE		-87.179	0.9173	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET		-149.590	1.4695	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW		-113.993	0.9818	
JER UDDER DEPTH	NLD UDDER DEPTH		-92.688	1.0339	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY		-97.276	1.0110	
JER FORE ATTACHMENT	NLD FORE UDDER		-87.019	0.8863	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT		-107.402	1.0884	
JER TEAT LENGTH	NLD TEAT LENGTH		-105.722	1.0085	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT		-120.153	1.2256	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT		-119.747	1.2466	
JER ANGULARITY	NLD ANGULARITY		-125.781	1.4251	

 Conversion Factors For Type. Source = INTERBULL MACE 1604
 Converted Canadian Proof = A + (B* Foreign Proof)
 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		-9.626	11.3618	0.36
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE		-9.184	9.9545	
JER STATURE	NZL STATURE		6.296	14.8880	
JER CHEST WIDTH	NZL CHEST WIDTH		6.046	11.8851	
JER BODY DEPTH	NZL BODY DEPTH		3.835	11.1143	
JER PIN WIDTH	NZL RUMP WIDTH		4.673	19.2665	
JER RUMP ANGLE	NZL RUMP ANGLE		2.052	17.0264	

JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	0.199	33.5272
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-3.114	9.7556
JER FORE ATTACHMENT	NZL FORE UDDER	-6.642	8.9505
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-4.812	17.9727
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-8.969	13.0839
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-1.442	14.8858

Conversion Factors For Type. Source = INTERBULL MACE 1604
 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 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	USA PTA TYPE (FINAL SCORE)	-3.112	5.2463	0.62
JER FEET AND LEGS	USA OVERALL FEET & LEG	-2.818	5.6918	
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-2.206	8.6104	
JER STATURE	USA STATURE	-0.740	4.8507	
JER CHEST WIDTH	USA STRENGTH	-1.100	7.2617	
JER BODY DEPTH	USA BODY DEPTH	0.145	5.2206	
JER PIN WIDTH	USA THURL WIDTH	-0.049	6.9230	
JER RUMP ANGLE	USA RUMP ANGLE	1.526	4.9057	
JER FOOT ANGLE	USA FOOT ANGLE	-2.212	7.1066	
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	2.593	8.4544	
JER REAR LEG REAR VIEW	USA REAR LEG REAR VIEW	-3.477	-7.9528	
JER UDDER DEPTH	USA UDDER DEPTH	-2.961	3.3309	
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	0.464	7.6646	
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-2.691	4.3081	
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.358	5.5078	
JER TEAT LENGTH	USA TEAT LENGTH	0.182	5.7674	
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-1.042	5.2431	
JER REAR TEAT PLACEMENT	USA REAR TEAT PLACEMENT	0.526	5.2637	
JER ANGULARITY	USA DAIRY FORM	0.029	6.1170	

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country2=ZAF

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 STATURE	ZAF STATURE	-68.042	0.6450
JER CHEST WIDTH	ZAF CHEST WIDTH	-61.800	0.6112
JER BODY DEPTH	ZAF BODY DEPTH	-52.695	0.5233
JER PIN WIDTH	ZAF RUMP WIDTH	-55.665	0.5479
JER RUMP ANGLE	ZAF RUMP ANGLE	-51.487	0.5260
JER FOOT ANGLE	ZAF FOOT ANGLE	-38.403	0.3632
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	-31.923	0.3412
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-34.865	0.3033
JER UDDER DEPTH	ZAF UDDER DEPTH	-42.608	0.4009
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-49.025	0.4960
JER FORE ATTACHMENT	ZAF FORE UDDER	-41.220	0.3809
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-54.901	0.5426
JER TEAT LENGTH	ZAF TEAT LENGTH	-44.985	0.4488
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-57.995	0.5514
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-56.529	0.5663
JER ANGULARITY	ZAF ANGULARITY	-51.469	0.4925

CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2016

BREED	BMILK	BFAT	BPRT
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AYS	7595	314	257
BSW	8147	342	288
CN	5832	255	207
GUE	6807	320	235
JER	6440	322	247
HOL	9994	384	320
MS	6402	246	213

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

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

EXAMPLE :

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

$$\begin{aligned}
 EBVFAT\% &= 200 * [(384 + 50 * .5) / (9994 + 1000 * .5) - (384 / 9994)] \\
 &= 200 * [(384 + 25) / (9994 + 500) - (0.03842)] \\
 &= 200 * [0.03897 - 0.03842] \\
 &= 200 * 0.00055 \\
 &= 0.11
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [(320 + 40 * .5) / (9994 + 1000 * .5) - (320 / 9994)] \\
 &= 200 * [(320 + 20) / (9994 + 500) - (0.03202)] \\
 &= 200 * [0.03240 - 0.03202] \\
 &= 200 * 0.00038 \\
 &= 0.08
 \end{aligned}$$