
 Conversion Factors For Production Traits. Source: INTERBULL 1304

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

Converted Proof Reliability = PCORR2*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
JER	AUS	668.06	1.191	22.246	1.155	19.241	1.327	0.6561
JER	DEU	85.38	1.100	26.143	1.035	10.334	0.921	0.7744
JER	DFS	-5979.74	61.703	-145.958	2.006	-140.808	1.639	0.8464
JER	GBR	-409.62	2.565	0.344	3.036	-6.965	3.034	0.7569
JER	IRL	1062.14	3.302	-19.136	3.761	11.766	2.892	0.6241
JER	ITA	112.16	1.022	21.413	0.886	10.213	0.849	0.7744
JER	NLD	2364.27	0.927	52.436	1.003	62.146	0.910	0.7921
JER	NZL	697.29	1.554	23.512	1.490	19.546	1.557	0.5625
JER	USA	726.72	0.893	20.990	0.961	21.768	0.914	0.8100
JER	ZAF	230.93	1.705	8.146	1.614	8.342	1.566	0.7225

 Conversion Factors For SCS Traits. Source: INTERBULL 1304

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

Converted Proof Reliability = SCORR2*Foreign Reliability

breed	country2	a	b	scorr2
JER	AUS	3.680	-0.006	0.6084
JER	DFS	4.499	-0.016	0.7569
JER	GBR	2.953	0.018	0.8281
JER	NLD	-1.383	0.045	0.8281
JER	NZL	2.981	0.448	0.5776
JER	USA	-0.046	1.010	0.8649
JER	ZAF	2.963	0.010	0.7569

 Conversion Factors For Type. Source = INTERBULL MACE 1304

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

Converted Proof Reliability = TCORR2*Foreign Reliability

country2=AUS

c	a	n	b	t	c	f	a	b	t
					o	o			
					u	r	v	v	c
					n	t	a	a	o
					t	r	l	l	r
					r	a	u	u	r
					y	i	e	e	2
					2	t			
JER CONFORMATION					AUS GENERAL APPEARANCE		-35.551	0.2948	0.15
JER FEET AND LEGS					AUS OVERALL FEET & LEG		-80.097	0.7621	
JER MAMMARY SYSTEM					AUS OVERALL UDDER SCORE		-65.868	0.6142	
JER STATURE					AUS STATURE		-58.704	0.5459	
JER CHEST WIDTH					AUS CHEST WIDTH		-76.107	0.7762	
JER BODY DEPTH					AUS BODY DEPTH		-65.568	0.6705	
JER PIN WIDTH					AUS PIN WIDTH		-90.838	0.9037	

JER RUMP ANGLE	AUS RUMP ANGLE	-54.889	0.5654
JER FOOT ANGLE	AUS FOOT ANGLE	-96.156	0.9421
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-43.093	0.4654
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-36.006	0.3097
JER UDDER DEPTH	AUS UDDER DEPTH	-65.390	0.6007
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-67.196	0.6760
JER FORE ATTACHMENT	AUS FORE UDDER	-47.289	0.4164
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-53.087	0.5201
JER TEAT LENGTH	AUS TEAT LENGTH	-41.104	0.3963
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-72.707	0.6876
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-86.404	0.8560
JER ANGULARITY	AUS ANGULARITY	-47.780	0.4579

Conversion Factors For Type. Source = INTERBULL MACE 1304
 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	-20.272	0.1545	0.14
JER FEET AND LEGS	DFS OVERALL FEET & LEG	-33.697	0.3092	
JER MAMMARY SYSTEM	DFS OVERALL UDDER SCORE	-45.362	0.4389	
JER STATURE	DFS STATURE	-50.504	0.4786	
JER CHEST WIDTH	DFS CHEST WIDTH	-29.504	0.2906	
JER BODY DEPTH	DFS BODY DEPTH	-35.091	0.3371	
JER PIN WIDTH	DFS RUMP WIDTH	-58.902	0.5230	
JER RUMP ANGLE	DFS RUMP ANGLE	-38.747	0.4189	
JER FOOT ANGLE	DFS FOOT ANGLE	-35.355	0.3652	
JER REAR LEGS SIDE VIEW	DFS REAR LEG SET	-33.735	0.3673	
JER REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW	-40.798	0.3477	
JER UDDER DEPTH	DFS UDDER DEPTH	-34.425	0.3323	
JER MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY	-52.766	0.5201	
JER FORE ATTACHMENT	DFS FORE UDDER	-32.374	0.2906	
JER TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT	-43.750	0.4083	
JER TEAT LENGTH	DFS TEAT LENGTH	-32.655	0.3251	
JER REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT	-50.661	0.4829	
JER REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT	-49.328	0.4634	
JER ANGULARITY	DFS ANGULARITY	-29.321	0.2681	

Conversion Factors For Type. Source = INTERBULL MACE 1304
 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	-5.835	3.0843	0.66
JER FEET AND LEGS	GBR OVERALL FEET & LEG	-3.721	3.4820	
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-3.756	3.8970	
JER STATURE	GBR STATURE	-8.061	6.8496	
JER CHEST WIDTH	GBR CHEST WIDTH	-0.055	3.6089	
JER BODY DEPTH	GBR BODY DEPTH	-0.550	3.2306	
JER PIN WIDTH	GBR RUMP WIDTH	-3.625	4.9158	
JER RUMP ANGLE	GBR RUMP ANGLE	-0.607	4.5907	
JER FOOT ANGLE	GBR FOOT ANGLE	-2.068	3.4084	
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	2.426	2.7552	
JER UDDER DEPTH	GBR UDDER DEPTH	-2.248	3.0453	
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-1.917	3.7639	
JER FORE ATTACHMENT	GBR FORE UDDER	-1.946	3.0735	
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-1.548	3.6135	
JER TEAT LENGTH	GBR TEAT LENGTH	-1.639	3.2958	
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-5.843	5.2681	
JER ANGULARITY	GBR ANGULARITY	-5.186	4.7093	

Conversion Factors For Type. Source = INTERBULL MACE 1304
 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	-4.858	5.5060	0.61
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-2.828	3.6516	
JER STATURE	ITA STATURE	-3.096	4.3425	
JER CHEST WIDTH	ITA CHEST WIDTH	-1.158	4.3833	
JER BODY DEPTH	ITA BODY DEPTH	-1.037	3.0287	
JER PIN WIDTH	ITA RUMP WIDTH	-2.428	3.1369	
JER RUMP ANGLE	ITA RUMP ANGLE	0.727	3.8703	
JER FOOT ANGLE	ITA FOOT ANGLE	-0.958	2.5790	
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	3.023	2.1689	
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-4.494	1.1147	
JER UDDER DEPTH	ITA UDDER DEPTH	-2.408	3.3454	
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-0.817	2.3074	
JER FORE ATTACHMENT	ITA FORE UDDER	-4.006	2.7387	
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-2.164	1.9645	
JER TEAT LENGTH	ITA TEAT LENGTH	-0.626	1.5494	
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-1.926	4.3387	
JER ANGULARITY	ITA ANGULARITY	-1.172	3.2356	

Conversion Factors For Type. Source = INTERBULL MACE 1304
 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		-108.233	1.2423	0.53
JER FEET AND LEGS	NLD OVERALL FEET & LEG		-131.592	1.1298	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE		-107.112	1.1418	
JER STATURE	NLD STATURE		-80.555	1.1128	
JER CHEST WIDTH	NLD CHEST WIDTH		-71.865	0.9196	
JER BODY DEPTH	NLD BODY DEPTH		-129.668	1.5506	
JER PIN WIDTH	NLD RUMP WIDTH		-60.010	0.7077	
JER RUMP ANGLE	NLD RUMP ANGLE		-100.258	1.0772	
JER FOOT ANGLE	NLD FOOT ANGLE		-115.254	1.1944	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET		-94.618	0.9600	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW		-75.876	0.6364	
JER UDDER DEPTH	NLD UDDER DEPTH		-84.976	0.9108	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY		-98.609	1.0140	
JER FORE ATTACHMENT	NLD FORE UDDER		-74.117	0.7311	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT		-104.723	1.0447	
JER TEAT LENGTH	NLD TEAT LENGTH		-103.471	0.9921	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT		-143.975	1.4463	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT		-109.079	1.1212	
JER ANGULARITY	NLD ANGULARITY		-92.546	1.0879	

Conversion Factors For Type. Source = INTERBULL MACE 1304
 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		-8.521	8.4174	0.24
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE		-7.589	9.5710	
JER STATURE	NZL STATURE		7.837	15.5840	
JER CHEST WIDTH	NZL CHEST WIDTH		4.034	8.9251	
JER BODY DEPTH	NZL BODY DEPTH		3.053	9.9980	
JER PIN WIDTH	NZL RUMP WIDTH		4.910	19.6105	

JER RUMP ANGLE	NZL RUMP ANGLE	2.107	16.8723
JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.264	27.7161
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-2.651	8.3921
JER FORE ATTACHMENT	NZL FORE UDDER	-6.235	6.4830
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-3.844	18.3180
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-9.380	11.9535
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-0.944	15.8809

Conversion Factors For Type. Source = INTERBULL MACE 1304
 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)	-4.229	4.7830	0.55
JER FEET AND LEGS	USA OVERALL FEET & LEG	-3.066	5.5067	
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-3.137	7.6639	
JER STATURE	USA STATURE	-1.629	4.3723	
JER CHEST WIDTH	USA STRENGTH	-1.602	6.6312	
JER PIN WIDTH	USA THURL WIDTH	-1.298	5.4191	
JER RUMP ANGLE	USA RUMP ANGLE	1.989	4.7484	
JER FOOT ANGLE	USA FOOT ANGLE	-2.690	6.5060	
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	2.856	7.6383	
JER UDDER DEPTH	USA UDDER DEPTH	-3.748	3.0496	
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	0.119	7.2883	
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-3.922	4.0535	
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-1.413	4.9843	
JER TEAT LENGTH	USA TEAT LENGTH	-0.580	4.3752	
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-1.973	4.9332	
JER ANGULARITY	USA DAIRY FORM	-0.199	5.3999	

Conversion Factors For Type. Source = INTERBULL MACE 1304
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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	-65.301	0.6069
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JER CHEST WIDTH	ZAF CHEST WIDTH	-55.000	0.5344
JER BODY DEPTH	ZAF BODY DEPTH	-44.878	0.4370
JER PIN WIDTH	ZAF RUMP WIDTH	-46.433	0.4412
JER RUMP ANGLE	ZAF RUMP ANGLE	-51.011	0.5234
JER FOOT ANGLE	ZAF FOOT ANGLE	-36.909	0.3505
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	-22.392	0.2541
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-5.527	0.0082
JER UDDER DEPTH	ZAF UDDER DEPTH	-40.224	0.3657
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-53.773	0.5327
JER FORE ATTACHMENT	ZAF FORE UDDER	-39.008	0.3446
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-51.285	0.4954
JER TEAT LENGTH	ZAF TEAT LENGTH	-39.112	0.3792
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-52.272	0.4838
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-56.082	0.5520
JER ANGULARITY	ZAF ANGULARITY	-48.631	0.4641

CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2013

BREED	BMILK	BFAT	BPRT
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AYS	7446	304	251
BSW	8003	330	281
CN	5665	243	200
GUE	6797	298	230
JER	6316	313	241
HOL	9752	369	312
MS	6616	247	223

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

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

EXAMPLE :

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

$$EBVFAT\% = 200 * [(369 + 50 * .5) / (9752 + 1000 * .5) - (369 / 9752)]$$

$$= 200 * [(369 + 25) / (9752 + 500) - (0.03784)]$$

$$= 200 * [0.03843 - 0.03784]$$

$$= 200 * 0.00059$$

$$= 0.12$$

$$EBVPROT\% = 200 * [(312 + 40 * .5) / (9752 + 1000 * .5) - (312 / 9752)]$$

$$= 200 * [(312 + 20) / (9752 + 500) - (0.03199)]$$

$$= 200 * [0.03238 - 0.03199]$$

$$= 200 * 0.00039$$

$$= 0.08$$