
 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
BSW	CHE	-433.97	1.2796	-13.7820	1.2967	-14.0985	1.4189	0.7744
BSW	DEU	-131.96	1.2835	2.2467	1.4059	2.0534	1.4347	0.7569
BSW	FRA	-69.89	0.8907	-0.3369	0.9189	1.8778	0.9883	0.7744
BSW	GBR	-227.71	2.3434	-5.5725	2.5791	-6.0379	2.8128	0.7569
BSW	ITA	-270.76	1.1947	-5.9358	1.2770	-4.2159	1.1914	0.7921
BSW	NLD	1406.18	1.1542	45.3394	1.1267	47.7051	1.3034	0.7921
BSW	NZL	207.62	1.3913	37.3014	1.4198	12.8915	1.5311	0.5776
BSW	SVN	-810.31	4.2240	-31.7133	4.5534	-29.8551	4.9595	0.7569
BSW	USA	-40.33	0.8671	-0.1594	0.9417	-0.3047	1.0035	0.7921

 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
BSW	CHE	5.1043	-0.0219	0.8464
BSW	DEU	4.7983	-0.0188	0.8281
BSW	FRA	2.9134	-0.2294	0.8281
BSW	GBR	2.9610	0.0174	0.8464
BSW	ITA	4.7394	-0.0173	0.8464
BSW	NLD	8.0070	-0.0496	0.8100
BSW	NZL	3.0465	0.4925	0.6084
BSW	USA	0.0303	0.9747	0.8100

 Conversion Factors For Type. Source = INTERBULL MACE 1112

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

country2=CHE

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
BSW CONFORMATION	CHE FINAL SCORE		-0.630	9.145	0.74
BSW FEET AND LEGS	CHE OVERALL FEET & LEG		-0.958	5.575	
BSW MAMMARY SYSTEM	CHE OVERALL UDDER SCORE		-0.181	6.843	
BSW STATURE	CHE STATURE		-4.104	6.769	
BSW CHEST WIDTH	CHE CHEST WIDTH		3.549	8.895	
BSW BODY DEPTH	CHE BODY DEPTH		-0.311	7.506	
BSW PIN WIDTH	CHE RUMP WIDTH		4.038	7.041	

BSW RUMP ANGLE	CHE RUMP ANGLE	0.520	6.320
BSW FOOT ANGLE	CHE FOOT ANGLE	-0.641	1.837
BSW HEEL DEPTH	CHE HEEL DEPTH	0.392	7.168
BSW REAR LEGS SIDE VIEW	CHE REAR LEG SET	2.256	5.329
BSW UDDER DEPTH	CHE UDDER DEPTH	-0.947	6.257
BSW MEDIAN SUSPENSORY	CHE MEDIAN SUSPENSORY	-1.405	6.003
BSW FORE ATTACHMENT	CHE FORE UDDER	1.587	-2.499
BSW FRONT TEAT PLACEMENT	CHE FRONT TEAT PLACEMENT	-0.839	5.615
BSW TEAT LENGTH	CHE TEAT LENGTH	-2.195	3.947
BSW REAR ATTACHMENT HEIGHT	CHE REAR UDDER HEIGHT	-0.622	6.592
BSW REAR ATTACHMENT WIDTH	CHE REAR UDDER WIDTH	-0.833	7.923
BSW REAR TEAT PLACEMENT	CHE REAR TEAT PLACEMENT	-2.057	5.672
BSW ANGULARITY	CHE ANGULARITY	-2.995	-3.744

Conversion Factors For Type. Source = INTERBULL MACE 1112
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country2=DEA

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

BSW CONFORMATION	DEA CONFORMATION	-40.188	0.380	0.56
BSW FEET AND LEGS	DEA OVERALL FEET & LEG	-29.896	0.297	
BSW MAMMARY SYSTEM	DEA OVERALL UDDER SCORE	-62.946	0.612	
BSW STATURE	DEA STATURE	-64.485	0.606	
BSW CHEST WIDTH	DEA CHEST WIDTH	-55.066	0.559	
BSW BODY DEPTH	DEA BODY DEPTH	-59.578	0.583	
BSW PIN WIDTH	DEA RUMP WIDTH	-53.439	0.529	
BSW RUMP ANGLE	DEA RUMP ANGLE	-49.526	0.499	
BSW FOOT ANGLE	DEA FOOT ANGLE	-14.142	0.135	
BSW HEEL DEPTH	DEA HEEL DEPTH	-64.533	0.643	
BSW REAR LEGS SIDE VIEW	DEA REAR LEG SET	-50.243	0.506	
BSW UDDER DEPTH	DEA UDDER DEPTH	-48.533	0.470	
BSW MEDIAN SUSPENSORY	DEA MEDIAN SUSPENSORY	-56.255	0.544	
BSW FORE ATTACHMENT	DEA FORE UDDER	-41.400	0.425	
BSW FRONT TEAT PLACEMENT	DEA FRONT TEAT PLACEMENT	-59.314	0.578	
BSW TEAT LENGTH	DEA TEAT LENGTH	-42.116	0.417	
BSW REAR ATTACHMENT HEIGHT	DEA REAR UDDER HEIGHT	-46.200	0.445	
BSW REAR ATTACHMENT WIDTH	DEA REAR UDDER WIDTH	-60.046	0.580	
BSW REAR TEAT PLACEMENT	DEA REAR TEAT PLACEMENT	-63.238	0.595	

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country2=FRA

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

BSW CONFORMATION	FRA OVERALL SCORE	-2.135	8.311	0.85
BSW FEET AND LEGS	FRA OVERALL FEET & LEG	-1.265	0.497	
BSW MAMMARY SYSTEM	FRA OVERALL UDDER SCORE	-2.360	6.860	
BSW STATURE	FRA STATURE	-3.241	7.168	
BSW CHEST WIDTH	FRA CHEST DEPTH	-0.413	5.678	
BSW BODY DEPTH	FRA BODY DEPTH	-1.369	6.336	
BSW PIN WIDTH	FRA RUMP WIDTH	-0.434	5.305	
BSW RUMP ANGLE	FRA RUMP ANGLE	1.399	6.142	
BSW FOOT ANGLE	FRA HEEL DEPTH	-0.213	5.119	
BSW HEEL DEPTH	FRA HEEL DEPTH	0.060	8.856	
BSW REAR LEGS SIDE VIEW	FRA REAR LEG SET	-0.033	6.468	
BSW UDDER DEPTH	FRA UDDER DEPTH	-2.072	5.798	
BSW MEDIAN SUSPENSORY	FRA MEDIAN SUSPENSORY	-0.900	6.389	
BSW FORE ATTACHMENT	FRA FORE UDDER	0.766	2.102	
BSW FRONT TEAT PLACEMENT	FRA FRONT TEAT PLACEMENT	-2.619	6.905	
BSW TEAT LENGTH	FRA TEAT LENGTH	1.124	5.169	
BSW REAR ATTACHMENT HEIGHT	FRA REAR UDDER HEIGHT	-1.054	6.557	
BSW REAR ATTACHMENT WIDTH	FRA REAR UDDER WIDTH	-1.879	8.028	
BSW REAR TEAT PLACEMENT	FRA REAR TEAT PLACEMENT	-2.706	7.447	
BSW ANGULARITY	FRA ANGULARITY	-3.423	7.432	

Conversion Factors For Type. Source = INTERBULL MACE 1112
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 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ITA

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

BSW CONFORMATION	ITA FINAL SCORE	-64.996	0.583	0.59
BSW FEET AND LEGS	ITA OVERALL FEET & LEG	-28.505	0.271	
BSW MAMMARY SYSTEM	ITA OVERALL UDDER SCORE	-53.946	0.487	
BSW STATURE	ITA STATURE	-55.438	0.499	
BSW CHEST WIDTH	ITA STRENGTH	-33.696	0.334	
BSW BODY DEPTH	ITA BODY DEPTH	-38.264	0.362	
BSW RUMP ANGLE	ITA RUMP ANGLE	-36.882	0.377	
BSW FOOT ANGLE	ITA FOOT ANGLE	-30.880	0.288	
BSW HEEL DEPTH	ITA HEEL DEPTH	-45.460	0.433	
BSW REAR LEGS SIDE VIEW	ITA REAR LEG SET	-37.859	0.389	
BSW UDDER DEPTH	ITA UDDER DEPTH	-38.506	0.358	
BSW MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-51.103	0.473	
BSW FORE ATTACHMENT	ITA FORE UDDER	9.780	-0.086	
BSW TEAT LENGTH	ITA TEAT LENGTH	-34.035	0.346	

BSW REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-49.455	0.450
BSW REAR ATTACHMENT WIDTH	ITA REAR UDDER WIDTH	-59.942	0.546
BSW REAR TEAT PLACEMENT	ITA REAR TEAT PLACEMENT	-47.910	0.441

Conversion Factors For Type. Source = INTERBULL MACE 1112
 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

BSW CONFORMATION	NLD CONFORMATION	-140.093	1.358	0.58
BSW FEET AND LEGS	NLD OVERALL FEET & LEG	84.746	-0.758	
BSW MAMMARY SYSTEM	NLD OVERALL UDDER SCORE	-158.001	1.668	
BSW STATURE	NLD STATURE	-132.280	1.305	
BSW CHEST WIDTH	NLD CHEST WIDTH	-192.067	1.895	
BSW BODY DEPTH	NLD BODY DEPTH	-149.844	1.537	
BSW PIN WIDTH	NLD RUMP WIDTH	-184.406	2.043	
BSW RUMP ANGLE	NLD RUMP ANGLE	-132.746	1.309	
BSW FOOT ANGLE	NLD FOOT ANGLE	-63.089	0.544	
BSW HEEL DEPTH	NLD HEEL DEPTH	-179.619	1.564	
BSW REAR LEGS SIDE VIEW	NLD REAR LEG SET	-122.993	1.319	
BSW UDDER DEPTH	NLD UDDER DEPTH	-139.095	1.398	
BSW MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY	-127.006	1.340	
BSW FORE ATTACHMENT	NLD FORE UDDER	-157.246	1.607	
BSW TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT	-173.822	1.713	
BSW TEAT LENGTH	NLD TEAT LENGTH	-90.292	0.867	
BSW REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT	-108.430	1.190	
BSW REAR ATTACHMENT WIDTH	NLD REAR UDDER WIDTH	-102.098	1.114	
BSW REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT	-197.838	2.027	
BSW ANGULARITY	NLD ANGULARITY	-123.115	1.331	

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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

BSW CONFORMATION	USA PTA TYPE (FINAL SCORE)	1.686	11.166	0.77
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BSW FEET AND LEGS	USA OVERALL FEET & LEG	-0.461	0.888
BSW MAMMARY SYSTEM	USA OVERALL UDDER SCORE	1.774	6.949
BSW STATURE	USA STATURE	-0.213	4.771
BSW CHEST WIDTH	USA STRENGTH	1.094	9.472
BSW PIN WIDTH	USA RUMP WIDTH	0.726	8.811
BSW RUMP ANGLE	USA RUMP ANGLE	-0.835	5.724
BSW FOOT ANGLE	USA FOOT ANGLE	-0.609	8.228
BSW REAR LEGS SIDE VIEW	USA REAR LEG SET	0.372	8.935
BSW UDDER DEPTH	USA UDDER DEPTH	0.184	5.085
BSW MEDIAN SUSPENSORY	USA UDDER CLEFT	1.420	5.317
BSW FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	1.517	5.516
BSW FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.017	5.710
BSW TEAT LENGTH	USA TEAT LENGTH	0.341	3.666
BSW REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	1.148	6.191
BSW REAR ATTACHMENT WIDTH	USA REAR UDDER WIDTH	1.135	7.894
BSW ANGULARITY	USA ANGULARITY	1.358	6.704

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

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

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

EXAMPLE :

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

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

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