
 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
BSW	CHE	-446.32	1.268	-15.641	1.326	-14.200	1.416	0.7569
BSW	DEA	-61.43	1.260	3.267	1.449	2.949	1.448	0.7396
BSW	FRA	-36.09	0.844	-0.350	0.875	1.959	0.916	0.7744
BSW	GBR	-258.80	2.106	-9.081	2.440	-7.879	2.624	0.7396
BSW	ITA	-268.01	1.070	-8.273	1.205	-5.570	1.075	0.7921
BSW	NLD	1417.11	1.200	40.867	1.091	44.589	1.313	0.7921
BSW	NZL	199.15	1.382	34.202	1.390	12.113	1.591	0.5776
BSW	SVN	-937.00	438.087	-38.560	502.014	-35.240	522.106	0.7569
BSW	USA	-35.05	0.879	-1.886	0.980	-1.905	1.055	0.7921

 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
BSW	CHE	5.207	-0.022	0.8649
BSW	DEA	4.916	-0.019	0.8464
BSW	FRA	2.984	-0.235	0.8464
BSW	GBR	3.002	0.016	0.8464
BSW	ITA	4.803	-0.017	0.8649
BSW	NLD	-2.444	0.052	0.7921
BSW	NZL	3.067	0.497	0.5929
BSW	SVN	3.028	-0.379	0.7569
BSW	USA	0.053	0.983	0.8100

 Conversion Factors For Type. Source = INTERBULL MACE 1304

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		-0.696	9.1899	0.67
BSW FEET AND LEGS	CHE OVERALL FEET & LEG		0.161	6.1344	
BSW MAMMARY SYSTEM	CHE OVERALL UDDER SCORE		0.593	6.7891	
BSW STATURE	CHE STATURE		-3.381	6.6067	
BSW CHEST WIDTH	CHE CHEST WIDTH		3.561	8.8839	
BSW BODY DEPTH	CHE BODY DEPTH		-1.534	7.4516	

BSW PIN WIDTH	CHE RUMP WIDTH	3.836	6.8922
BSW RUMP ANGLE	CHE RUMP ANGLE	0.800	6.4415
BSW FOOT ANGLE	CHE FOOT ANGLE	-0.713	2.8937
BSW HEEL DEPTH	CHE HEEL DEPTH	0.972	6.9109
BSW REAR LEGS SIDE VIEW	CHE REAR LEG SET	1.796	5.4947
BSW UDDER DEPTH	CHE UDDER DEPTH	-0.099	6.0999
BSW MEDIAN SUSPENSORY	CHE MEDIAN SUSPENSORY	-2.103	6.9930
BSW FORE ATTACHMENT	CHE FORE UDDER	-0.206	-0.5765
BSW FRONT TEAT PLACEMENT	CHE FRONT TEAT PLACEMENT	-0.178	5.8769
BSW TEAT LENGTH	CHE TEAT LENGTH	-3.152	3.7511
BSW REAR ATTACHMENT HEIGHT	CHE REAR UDDER HEIGHT	-0.587	6.3716
BSW REAR ATTACHMENT WIDTH	CHE REAR UDDER WIDTH	-0.548	7.9767
BSW REAR TEAT PLACEMENT	CHE REAR TEAT PLACEMENT	-1.559	6.2769
BSW ANGULARITY	CHE ANGULARITY	-5.436	-4.7922

Conversion Factors For Type. Source = INTERBULL MACE 1304
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

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	-38.127	0.3458	0.40
BSW FEET AND LEGS	DEA OVERALL FEET & LEG	-40.236	0.4025	
BSW MAMMARY SYSTEM	DEA OVERALL UDDER SCORE	-62.974	0.6075	
BSW STATURE	DEA STATURE	-63.189	0.5939	
BSW CHEST WIDTH	DEA CHEST WIDTH	-55.763	0.5684	
BSW BODY DEPTH	DEA BODY DEPTH	-62.076	0.5969	
BSW PIN WIDTH	DEA RUMP WIDTH	-49.613	0.4929	
BSW RUMP ANGLE	DEA RUMP ANGLE	-50.467	0.5121	
BSW FOOT ANGLE	DEA FOOT ANGLE	-23.661	0.2222	
BSW HEEL DEPTH	DEA HEEL DEPTH	-60.607	0.5966	
BSW REAR LEGS SIDE VIEW	DEA REAR LEG SET	-52.061	0.5169	
BSW UDDER DEPTH	DEA UDDER DEPTH	-49.127	0.4752	
BSW MEDIAN SUSPENSORY	DEA MEDIAN SUSPENSORY	-63.720	0.6095	
BSW FORE ATTACHMENT	DEA FORE UDDER	-51.376	0.5150	
BSW FRONT TEAT PLACEMENT	DEA FRONT TEAT PLACEMENT	-63.724	0.6185	
BSW TEAT LENGTH	DEA TEAT LENGTH	-40.080	0.4004	
BSW REAR ATTACHMENT HEIGHT	DEA REAR UDDER HEIGHT	-44.609	0.4145	
BSW REAR ATTACHMENT WIDTH	DEA REAR UDDER WIDTH	-57.503	0.5526	
BSW REAR TEAT PLACEMENT	DEA REAR TEAT PLACEMENT	-70.998	0.6749	

Conversion Factors For Type. Source = INTERBULL MACE 1304
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=FRA

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	FRA OVERALL SCORE	-2.427	7.0612	0.81
BSW FEET AND LEGS	FRA OVERALL FEET & LEG	-0.531	1.4214	
BSW MAMMARY SYSTEM	FRA OVERALL UDDER SCORE	-2.006	6.5843	
BSW STATURE	FRA STATURE	-2.871	7.4208	
BSW CHEST WIDTH	FRA CHEST DEPTH	0.293	7.0916	
BSW BODY DEPTH	FRA BODY DEPTH	-1.353	6.7073	
BSW PIN WIDTH	FRA RUMP WIDTH	-0.341	5.3502	
BSW RUMP ANGLE	FRA RUMP ANGLE	1.425	6.5998	
BSW FOOT ANGLE	FRA HEEL DEPTH	-0.001	5.1368	
BSW HEEL DEPTH	FRA HEEL DEPTH	0.162	7.2509	
BSW REAR LEGS SIDE VIEW	FRA REAR LEG SET	-0.245	6.7937	
BSW UDDER DEPTH	FRA UDDER DEPTH	-2.736	5.7081	
BSW MEDIAN SUSPENSORY	FRA MEDIAN SUSPENSORY	-1.144	7.9317	
BSW FORE ATTACHMENT	FRA FORE UDDER	-1.514	3.7162	
BSW FRONT TEAT PLACEMENT	FRA FRONT TEAT PLACEMENT	-2.686	7.5856	
BSW TEAT LENGTH	FRA TEAT LENGTH	0.368	5.4027	
BSW REAR ATTACHMENT HEIGHT	FRA REAR UDDER HEIGHT	-0.944	6.2925	
BSW REAR ATTACHMENT WIDTH	FRA REAR UDDER WIDTH	-1.230	7.7103	
BSW REAR TEAT PLACEMENT	FRA REAR TEAT PLACEMENT	-1.994	8.1341	
BSW ANGULARITY	FRA ANGULARITY	-3.605	7.5066	

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	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	ITA FINAL SCORE	-64.936	0.5738	0.56
BSW FEET AND LEGS	ITA OVERALL FEET & LEG	-26.405	0.2503	
BSW MAMMARY SYSTEM	ITA OVERALL UDDER SCORE	-56.669	0.5090	
BSW STATURE	ITA STATURE	-53.970	0.4854	
BSW CHEST WIDTH	ITA STRENGTH	-38.270	0.3747	
BSW BODY DEPTH	ITA BODY DEPTH	-43.279	0.4004	
BSW RUMP ANGLE	ITA RUMP ANGLE	-37.061	0.3805	
BSW FOOT ANGLE	ITA FOOT ANGLE	-21.071	0.1887	
BSW HEEL DEPTH	ITA HEEL DEPTH	-45.586	0.4356	
BSW REAR LEGS SIDE VIEW	ITA REAR LEG SET	-39.201	0.3970	
BSW UDDER DEPTH	ITA UDDER DEPTH	-38.030	0.3527	
BSW MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-57.480	0.5289	
BSW FORE ATTACHMENT	ITA FORE UDDER	-1.970	0.0112	

BSW TEAT LENGTH	ITA TEAT LENGTH	-32.732	0.3305
BSW REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-44.696	0.4008
BSW REAR ATTACHMENT WIDTH	ITA REAR UDDER WIDTH	-59.126	0.5372
BSW REAR TEAT PLACEMENT	ITA REAR TEAT PLACEMENT	-52.353	0.4847

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

BSW CONFORMATION	NLD CONFORMATION	-138.108	1.3276	0.50
BSW FEET AND LEGS	NLD OVERALL FEET & LEG	40.186	-0.3624	
BSW MAMMARY SYSTEM	NLD OVERALL UDDER SCORE	-149.748	1.5677	
BSW STATURE	NLD STATURE	-134.837	1.3327	
BSW CHEST WIDTH	NLD CHEST WIDTH	-227.355	2.2341	
BSW BODY DEPTH	NLD BODY DEPTH	-153.532	1.5758	
BSW PIN WIDTH	NLD RUMP WIDTH	-166.822	1.8482	
BSW RUMP ANGLE	NLD RUMP ANGLE	-148.119	1.4591	
BSW FOOT ANGLE	NLD FOOT ANGLE	-63.755	0.5418	
BSW HEEL DEPTH	NLD HEEL DEPTH	-175.845	1.5262	
BSW REAR LEGS SIDE VIEW	NLD REAR LEG SET	-130.749	1.3957	
BSW UDDER DEPTH	NLD UDDER DEPTH	-142.048	1.4257	
BSW MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY	-134.580	1.4180	
BSW FORE ATTACHMENT	NLD FORE UDDER	-166.379	1.6864	
BSW TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT	-149.857	1.4743	
BSW TEAT LENGTH	NLD TEAT LENGTH	-88.165	0.8463	
BSW REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT	-103.502	1.1341	
BSW REAR ATTACHMENT WIDTH	NLD REAR UDDER WIDTH	-87.123	0.9537	
BSW REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT	-159.167	1.6289	
BSW ANGULARITY	NLD ANGULARITY	-127.148	1.3695	

Conversion Factors For Type. Source = INTERBULL MACE 1304
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=SVN

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	SVN CONFORMATION	-9.330	7.5079	0.41
BSW FEET AND LEGS	SVN OVERALL FEET & LEG	-1.344	3.5282	
BSW MAMMARY SYSTEM	SVN OVERALL UDDER SCORE	-9.340	3.5324	
BSW STATURE	SVN STATURE	-12.133	2.6028	
BSW CHEST WIDTH	SVN CHEST WIDTH	1.881	15.7727	
BSW BODY DEPTH	SVN BODY DEPTH	-5.067	3.7002	
BSW RUMP ANGLE	SVN RUMP ANGLE	1.304	11.1475	
BSW FOOT ANGLE	SVN FOOT ANGLE	-3.104	5.7972	
BSW HEEL DEPTH	SVN HEEL DEPTH	-2.664	23.9872	
BSW REAR LEGS SIDE VIEW	SVN REAR LEG SET	1.391	13.4877	
BSW UDDER DEPTH	SVN UDDER DEPTH	-5.089	9.8020	
BSW MEDIAN SUSPENSORY	SVN MEDIAN SUSPENSORY	-8.123	11.7462	
BSW FORE ATTACHMENT	SVN FORE UDDER	-3.300	4.5297	
BSW TEAT PLACEMENT	SVN FRONT TEAT PLACEMENT	-7.842	10.1205	
BSW TEAT LENGTH	SVN TEAT LENGTH	2.253	5.3573	
BSW REAR ATTACHMENT HEIGHT	SVN REAR UDDER HEIGHT	-7.612	11.7083	
BSW REAR ATTACHMENT WIDTH	SVN REAR UDDER WIDTH	-9.701	15.1222	
BSW REAR TEAT PLACEMENT	SVN REAR TEAT PLACEMENT	-9.518	10.9012	

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

BSW CONFORMATION	USA PTA TYPE (FINAL SCORE)	0.738	12.0617	0.79
BSW FEET AND LEGS	USA OVERALL FEET & LEG	0.168	0.6456	
BSW MAMMARY SYSTEM	USA OVERALL UDDER SCORE	0.822	6.3768	
BSW STATURE	USA STATURE	-0.412	4.5522	
BSW CHEST WIDTH	USA STRENGTH	0.977	10.0040	
BSW PIN WIDTH	USA RUMP WIDTH	1.128	9.4855	
BSW RUMP ANGLE	USA RUMP ANGLE	-0.688	5.6983	
BSW FOOT ANGLE	USA FOOT ANGLE	-0.367	8.8132	
BSW REAR LEGS SIDE VIEW	USA REAR LEG SET	0.155	8.9610	
BSW UDDER DEPTH	USA UDDER DEPTH	-0.286	4.7614	
BSW MEDIAN SUSPENSORY	USA UDDER CLEFT	1.073	6.5070	
BSW FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	0.516	5.8394	
BSW FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.231	5.8605	
BSW TEAT LENGTH	USA TEAT LENGTH	0.414	3.5410	
BSW REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	0.629	5.5256	
BSW REAR ATTACHMENT WIDTH	USA REAR UDDER WIDTH	0.935	8.3276	
BSW ANGULARITY	USA ANGULARITY	0.754	6.0745	

CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2013

BREED	BMILK	BFAT	BPRT
-----	-----	-----	-----

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