
Conversion Factors For Production Traits. Source: INTERBULL 1308

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
BSW	CHE	-445.20	1.261	-15.666	1.323	-14.314	1.405	0.7569
BSW	DEA	-58.83	1.261	3.083	1.450	3.004	1.461	0.7396
BSW	FRA	-38.97	0.834	-0.672	0.875	1.803	0.905	0.7744
BSW	GBR	-240.82	2.145	-8.559	2.434	-7.598	2.641	0.7396
BSW	ITA	-266.89	1.061	-8.218	1.200	-5.627	1.067	0.7921
BSW	NLD	1342.49	1.155	40.304	1.075	42.405	1.265	0.7921
BSW	NZL	209.58	1.395	34.086	1.397	12.757	1.627	0.5776
BSW	SVN	-942.11	438.366	-37.903	501.854	-34.497	518.332	0.7569
BSW	USA	-38.19	0.882	-1.784	0.992	-2.091	1.068	0.7921

Conversion Factors For SCS Traits. Source: INTERBULL 1308

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

breed	country2	a	b	scorr2
BSW	CHE	5.217	-0.022	0.8649
BSW	DEA	4.920	-0.019	0.8464
BSW	FRA	2.981	-0.236	0.8464
BSW	GBR	2.996	0.017	0.8464
BSW	ITA	4.807	-0.017	0.8649
BSW	NLD	-2.381	0.052	0.7921
BSW	NZL	3.073	0.502	0.5929
BSW	SVN	3.029	-0.383	0.7569
BSW	USA	0.030	0.988	0.8100

Conversion Factors For Type. Source = INTERBULL MACE 1308

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		-0.827	8.9773	0.67
BSW FEET AND LEGS	CHE OVERALL FEET & LEG		-0.055	6.3049	
BSW MAMMARY SYSTEM	CHE OVERALL UDDER SCORE		0.353	6.7004	
BSW STATURE	CHE STATURE		-3.418	6.5910	
BSW CHEST WIDTH	CHE CHEST WIDTH		3.476	8.7853	
BSW BODY DEPTH	CHE BODY DEPTH		-1.519	7.2314	

BSW PIN WIDTH	CHE RUMP WIDTH	3.696	6.9313
BSW RUMP ANGLE	CHE RUMP ANGLE	0.834	6.5128
BSW FOOT ANGLE	CHE FOOT ANGLE	-0.924	2.9708
BSW HEEL DEPTH	CHE HEEL DEPTH	0.887	6.9316
BSW REAR LEGS SIDE VIEW	CHE REAR LEG SET	1.983	5.5658
BSW UDDER DEPTH	CHE UDDER DEPTH	-0.189	6.1605
BSW MEDIAN SUSPENSORY	CHE MEDIAN SUSPENSORY	-2.092	6.9540
BSW FORE ATTACHMENT	CHE FORE UDDER	-0.255	-0.5783
BSW FRONT TEAT PLACEMENT	CHE FRONT TEAT PLACEMENT	-0.286	5.9376
BSW TEAT LENGTH	CHE TEAT LENGTH	-3.054	3.7243
BSW REAR ATTACHMENT HEIGHT	CHE REAR UDDER HEIGHT	-0.764	6.4349
BSW REAR ATTACHMENT WIDTH	CHE REAR UDDER WIDTH	-0.607	7.9080
BSW REAR TEAT PLACEMENT	CHE REAR TEAT PLACEMENT	-1.560	6.3175
BSW ANGULARITY	CHE ANGULARITY	-5.448	-4.8171

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 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	-37.886	0.3414	0.40
BSW FEET AND LEGS	DEA OVERALL FEET & LEG	-40.469	0.4018	
BSW MAMMARY SYSTEM	DEA OVERALL UDDER SCORE	-63.013	0.6052	
BSW STATURE	DEA STATURE	-62.721	0.5896	
BSW CHEST WIDTH	DEA CHEST WIDTH	-55.078	0.5584	
BSW BODY DEPTH	DEA BODY DEPTH	-60.489	0.5802	
BSW PIN WIDTH	DEA RUMP WIDTH	-50.171	0.4960	
BSW RUMP ANGLE	DEA RUMP ANGLE	-50.320	0.5132	
BSW FOOT ANGLE	DEA FOOT ANGLE	-24.012	0.2231	
BSW HEEL DEPTH	DEA HEEL DEPTH	-60.550	0.5944	
BSW REAR LEGS SIDE VIEW	DEA REAR LEG SET	-52.705	0.5236	
BSW UDDER DEPTH	DEA UDDER DEPTH	-49.753	0.4803	
BSW MEDIAN SUSPENSORY	DEA MEDIAN SUSPENSORY	-63.302	0.6073	
BSW FORE ATTACHMENT	DEA FORE UDDER	-51.460	0.5133	
BSW FRONT TEAT PLACEMENT	DEA FRONT TEAT PLACEMENT	-64.003	0.6207	
BSW TEAT LENGTH	DEA TEAT LENGTH	-39.970	0.3999	
BSW REAR ATTACHMENT HEIGHT	DEA REAR UDDER HEIGHT	-45.659	0.4243	
BSW REAR ATTACHMENT WIDTH	DEA REAR UDDER WIDTH	-56.952	0.5475	
BSW REAR TEAT PLACEMENT	DEA REAR TEAT PLACEMENT	-70.753	0.6733	

Conversion Factors For Type. Source = INTERBULL MACE 1308
 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	-2.572	6.8801	0.81
BSW FEET AND LEGS	FRA OVERALL FEET & LEG	-0.580	1.4791	
BSW MAMMARY SYSTEM	FRA OVERALL UDDER SCORE	-2.103	6.7792	
BSW STATURE	FRA STATURE	-2.909	7.4348	
BSW CHEST WIDTH	FRA CHEST DEPTH	0.200	6.9176	
BSW BODY DEPTH	FRA BODY DEPTH	-1.282	6.4973	
BSW PIN WIDTH	FRA RUMP WIDTH	-0.536	5.4751	
BSW RUMP ANGLE	FRA RUMP ANGLE	1.458	6.6621	
BSW FOOT ANGLE	FRA HEEL DEPTH	-0.162	5.3036	
BSW HEEL DEPTH	FRA HEEL DEPTH	-0.082	7.1375	
BSW REAR LEGS SIDE VIEW	FRA REAR LEG SET	-0.168	6.8861	
BSW UDDER DEPTH	FRA UDDER DEPTH	-2.823	5.7528	
BSW MEDIAN SUSPENSORY	FRA MEDIAN SUSPENSORY	-1.014	7.9483	
BSW FORE ATTACHMENT	FRA FORE UDDER	-1.627	3.8022	
BSW FRONT TEAT PLACEMENT	FRA FRONT TEAT PLACEMENT	-2.841	7.5974	
BSW TEAT LENGTH	FRA TEAT LENGTH	0.404	5.3185	
BSW REAR ATTACHMENT HEIGHT	FRA REAR UDDER HEIGHT	-1.099	6.2471	
BSW REAR ATTACHMENT WIDTH	FRA REAR UDDER WIDTH	-1.207	7.6591	
BSW REAR TEAT PLACEMENT	FRA REAR TEAT PLACEMENT	-1.950	8.2790	
BSW ANGULARITY	FRA ANGULARITY	-3.784	7.6274	

Conversion Factors For Type. Source = INTERBULL MACE 1308
 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	-64.165	0.5664	0.56
BSW FEET AND LEGS	ITA OVERALL FEET & LEG	-26.960	0.2541	
BSW MAMMARY SYSTEM	ITA OVERALL UDDER SCORE	-56.619	0.5078	
BSW STATURE	ITA STATURE	-53.711	0.4834	
BSW CHEST WIDTH	ITA STRENGTH	-37.843	0.3709	
BSW BODY DEPTH	ITA BODY DEPTH	-41.927	0.3882	
BSW RUMP ANGLE	ITA RUMP ANGLE	-37.113	0.3816	
BSW FOOT ANGLE	ITA FOOT ANGLE	-23.481	0.2113	
BSW HEEL DEPTH	ITA HEEL DEPTH	-45.786	0.4362	
BSW REAR LEGS SIDE VIEW	ITA REAR LEG SET	-39.281	0.3989	
BSW UDDER DEPTH	ITA UDDER DEPTH	-38.839	0.3601	
BSW MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-56.866	0.5237	
BSW FORE ATTACHMENT	ITA FORE UDDER	-4.474	0.0347	

BSW TEAT LENGTH	ITA TEAT LENGTH	-32.774	0.3319
BSW REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-46.106	0.4137
BSW REAR ATTACHMENT WIDTH	ITA REAR UDDER WIDTH	-58.624	0.5328
BSW REAR TEAT PLACEMENT	ITA REAR TEAT PLACEMENT	-52.490	0.4867

Conversion Factors For Type. Source = INTERBULL MACE 1308
 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	-136.312	1.3084	0.50
BSW FEET AND LEGS	NLD OVERALL FEET & LEG	40.979	-0.3711	
BSW MAMMARY SYSTEM	NLD OVERALL UDDER SCORE	-148.555	1.5520	
BSW STATURE	NLD STATURE	-136.940	1.3544	
BSW CHEST WIDTH	NLD CHEST WIDTH	-223.812	2.2030	
BSW BODY DEPTH	NLD BODY DEPTH	-154.491	1.5885	
BSW PIN WIDTH	NLD RUMP WIDTH	-167.149	1.8520	
BSW RUMP ANGLE	NLD RUMP ANGLE	-150.188	1.4804	
BSW FOOT ANGLE	NLD FOOT ANGLE	-66.162	0.5617	
BSW HEEL DEPTH	NLD HEEL DEPTH	-178.648	1.5498	
BSW REAR LEGS SIDE VIEW	NLD REAR LEG SET	-130.746	1.3992	
BSW UDDER DEPTH	NLD UDDER DEPTH	-145.279	1.4575	
BSW MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY	-135.640	1.4287	
BSW FORE ATTACHMENT	NLD FORE UDDER	-168.259	1.7051	
BSW TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT	-150.343	1.4767	
BSW TEAT LENGTH	NLD TEAT LENGTH	-89.996	0.8647	
BSW REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT	-104.361	1.1416	
BSW REAR ATTACHMENT WIDTH	NLD REAR UDDER WIDTH	-86.445	0.9457	
BSW REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT	-162.705	1.6639	
BSW ANGULARITY	NLD ANGULARITY	-132.130	1.4251	

Conversion Factors For Type. Source = INTERBULL MACE 1308
 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
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r	t	r	a	a	o
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e	y	i	u	u	r
d	2	t	e	e	2

BSW CONFORMATION	SVN CONFORMATION	-9.281	7.4634	0.41
BSW FEET AND LEGS	SVN OVERALL FEET & LEG	-1.604	3.6326	
BSW MAMMARY SYSTEM	SVN OVERALL UDDER SCORE	-9.496	3.4939	
BSW STATURE	SVN STATURE	-12.150	2.6127	
BSW CHEST WIDTH	SVN CHEST WIDTH	1.892	15.6683	
BSW BODY DEPTH	SVN BODY DEPTH	-4.983	3.6310	
BSW RUMP ANGLE	SVN RUMP ANGLE	1.430	11.1901	
BSW FOOT ANGLE	SVN FOOT ANGLE	-3.403	5.8273	
BSW HEEL DEPTH	SVN HEEL DEPTH	-2.737	23.6038	
BSW REAR LEGS SIDE VIEW	SVN REAR LEG SET	1.480	13.6728	
BSW UDDER DEPTH	SVN UDDER DEPTH	-5.249	9.8693	
BSW MEDIAN SUSPENSORY	SVN MEDIAN SUSPENSORY	-8.136	11.7737	
BSW FORE ATTACHMENT	SVN FORE UDDER	-3.353	4.6448	
BSW TEAT PLACEMENT	SVN FRONT TEAT PLACEMENT	-8.051	10.1624	
BSW TEAT LENGTH	SVN TEAT LENGTH	2.343	5.3156	
BSW REAR ATTACHMENT HEIGHT	SVN REAR UDDER HEIGHT	-7.889	11.7894	
BSW REAR ATTACHMENT WIDTH	SVN REAR UDDER WIDTH	-9.703	14.9622	
BSW REAR TEAT PLACEMENT	SVN REAR TEAT PLACEMENT	-9.667	10.8151	

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 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)	0.567	11.8297	0.79
BSW FEET AND LEGS	USA OVERALL FEET & LEG	-0.106	1.1830	
BSW MAMMARY SYSTEM	USA OVERALL UDDER SCORE	0.611	6.3317	
BSW STATURE	USA STATURE	-0.391	4.5471	
BSW CHEST WIDTH	USA STRENGTH	0.971	9.9278	
BSW PIN WIDTH	USA RUMP WIDTH	1.051	9.5907	
BSW RUMP ANGLE	USA RUMP ANGLE	-0.631	5.7502	
BSW FOOT ANGLE	USA FOOT ANGLE	-0.609	9.0652	
BSW REAR LEGS SIDE VIEW	USA REAR LEG SET	0.161	9.1293	
BSW UDDER DEPTH	USA UDDER DEPTH	-0.363	4.8050	
BSW MEDIAN SUSPENSORY	USA UDDER CLEFT	1.061	6.5259	
BSW FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	0.496	5.8897	
BSW FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-0.380	5.9053	
BSW TEAT LENGTH	USA TEAT LENGTH	0.461	3.5040	
BSW REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	0.466	5.5053	
BSW REAR ATTACHMENT WIDTH	USA REAR UDDER WIDTH	0.798	8.0908	
BSW ANGULARITY	USA ANGULARITY	0.656	6.0943	

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2013

BREED	BMILK	BFAT	BPRT
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AYS	7457	304	251
BSW	8040	333	282
CN	5804	246	203
GUE	6847	300	232
JER	6294	312	240
HOL	9754	369	312
MS	6656	248	226

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

$$\begin{aligned} \text{EBVFAT\%} &= 200 * [(369 + 50 * .5) / (9754 + 1000 * .5) - (369 / 9754)] \\ &= 200 * [(369 + 25) / (9754 + 500) - (0.03783)] \\ &= 200 * [0.03842 - 0.03783] \\ &= 200 * 0.00059 \\ &= 0.12 \end{aligned}$$

$$\begin{aligned} \text{EBVPROT\%} &= 200 * [(312 + 40 * .5) / (9754 + 1000 * .5) - (312 / 9754)] \\ &= 200 * [(312 + 20) / (9754 + 500) - (0.03199)] \\ &= 200 * [0.03238 - 0.03199] \\ &= 200 * 0.00039 \\ &= 0.08 \end{aligned}$$