
Conversion Factors For Production Traits. Source: INTERBULL 1208

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

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
AYS	AUS	508.71	1.208	29.182	1.134	22.894	1.555	0.5776
AYS	DEU	601.59	0.932	40.923	0.851	29.327	0.862	0.7921
AYS	DFS	-4249.05	53.625	-150.809	2.005	-105.913	1.530	0.7921
AYS	EST	350.19	1.066	19.284	1.075	19.867	1.043	0.7569
AYS	GBR	-243.13	2.374	-5.972	2.461	-2.275	2.649	0.7569
AYS	IRL	921.44	3.615	29.841	3.395	28.073	4.066	0.5929
AYS	LTU	-367.63	1.717	1.821	1.390	0.504	1.660	0.7744
AYS	LVA	-161.24	1.897	10.226	1.578	4.952	1.989	0.7569
AYS	NLD	1575.48	0.731	59.242	0.641	56.988	0.604	0.8281
AYS	NOR	-3915.44	47.106	-162.359	1.945	-109.193	1.473	0.8100
AYS	NZL	218.73	1.620	36.653	1.476	20.948	1.690	0.5776
AYS	USA	-62.43	0.843	-4.015	0.839	-1.908	0.830	0.8281
AYS	ZAF	-166.69	0.907	-4.987	0.962	-4.595	0.885	0.7396

Conversion Factors For SCS Traits. Source: INTERBULL 1208

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

breed	country2	a	b	scorr2
AYS	AUS	3.765	-0.007	0.7569
AYS	DEU	2.941	0.535	0.8464
AYS	DFS	4.773	-0.019	0.8281
AYS	EST	4.937	-0.019	0.7744
AYS	GBR	2.995	0.021	0.8649
AYS	LTU	3.044	0.637	0.7744
AYS	LVA	3.044	0.533	0.7744
AYS	NLD	-4.227	0.069	0.8464
AYS	NOR	5.072	-0.021	0.8281
AYS	NZL	3.133	0.522	0.6241
AYS	USA	0.173	0.941	0.8836
AYS	ZAF	2.975	0.069	0.8464

Conversion Factors For Type. Source = INTERBULL MACE 1208

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

country2=AUS

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

AYS	CONFORMATION	AUS	CONFORMATION	-47.9000	0.4029	0.32
AYS	FEET AND LEGS	AUS	OVERALL FEET & LEG	-18.5593	0.1446	
AYS	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-57.1610	0.5016	
AYS	STATURE	AUS	STATURE	-54.7485	0.4947	
AYS	CHEST WIDTH	AUS	CHEST WIDTH	-55.8925	0.5704	
AYS	BODY DEPTH	AUS	BODY DEPTH	-60.9911	0.5850	
AYS	PIN WIDTH	AUS	RUMP WIDTH	-64.1982	0.6207	
AYS	RUMP ANGLE	AUS	RUMP ANGLE	-73.4619	0.7359	
AYS	FOOT ANGLE	AUS	FOOT ANGLE	-60.7689	0.6020	
AYS	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-82.6139	0.8782	
AYS	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-71.4848	0.6955	
AYS	UDDER DEPTH	AUS	UDDER DEPTH	-58.0921	0.5314	
AYS	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-56.7239	0.5382	
AYS	FORE ATTACHMENT	AUS	FORE UDDER	-59.1918	0.5351	
AYS	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-38.9383	0.3642	
AYS	TEAT LENGTH	AUS	TEAT LENGTH	-44.5363	0.4574	
AYS	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-56.1012	0.4653	
AYS	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-79.0262	0.7471	
AYS	ANGULARITY	AUS	ANGULARITY	-41.4530	0.3566	

Conversion Factors For Type. Source = INTERBULL MACE 1208
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 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DEU

	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				
AYS	CONFORMATION	DEU	OVERALL TYPE (RZE)	-26.7385	0.2647	0.50	
AYS	FEET AND LEGS	DEU	OVERALL FEET & LEG	-45.7371	0.4636		
AYS	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-40.2742	0.3885		
AYS	STATURE	DEU	STATURE	-51.5051	0.5374		
AYS	CHEST WIDTH	DEU	CHEST WIDTH	-40.7393	0.4292		
AYS	BODY DEPTH	DEU	BODY DEPTH	-45.2643	0.4901		
AYS	PIN WIDTH	DEU	RUMP WIDTH	-57.2556	0.6252		
AYS	RUMP ANGLE	DEU	RUMP ANGLE	-63.2257	0.5788		
AYS	FOOT ANGLE	DEU	FOOT ANGLE	-42.7638	0.4551		
AYS	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-64.5077	0.6267		
AYS	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-41.7040	0.4266		
AYS	UDDER DEPTH	DEU	UDDER DEPTH	-51.6187	0.5054		
AYS	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-39.7713	0.4085		
AYS	FORE ATTACHMENT	DEU	FORE UDDER	-49.0742	0.4449		
AYS	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-47.1204	0.4554		
AYS	TEAT LENGTH	DEU	TEAT LENGTH	-39.7238	0.3874		
AYS	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-51.4674	0.4840		
AYS	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-55.0461	0.5273		
AYS	ANGULARITY	DEU	ANGULARITY	-46.7718	0.4882		

Conversion Factors For Type. Source = INTERBULL MACE 1208
 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	
b		n		t		v		v	
t		t		r		a		a	
r		r		a		l		l	
e		y		i		u		u	
a		2		t		e		e	
i									
d								t	
								c	
								o	
								r	
								2	
AYS	CONFORMATION	DFS	OVERALL CONFORMATION	-46.4476	0.4107	0.45			
AYS	FEET AND LEGS	DFS	OVERALL FEET & LEG	-53.3937	0.5053				
AYS	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-49.6383	0.4679				
AYS	STATURE	DFS	STATURE	-63.7997	0.6153				
AYS	CHEST WIDTH	DFS	CHEST WIDTH	-28.7999	0.2971				
AYS	BODY DEPTH	DFS	BODY DEPTH	-42.6409	0.4014				
AYS	PIN WIDTH	DFS	RUMP WIDTH	-51.2667	0.5032				
AYS	RUMP ANGLE	DFS	RUMP ANGLE	-52.9422	0.5460				
AYS	FOOT ANGLE	DFS	FOOT ANGLE	-24.6110	0.2524				
AYS	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-65.3028	0.6928				
AYS	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-47.4646	0.4670				
AYS	UDDER DEPTH	DFS	UDDER DEPTH	-48.7973	0.4661				
AYS	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-40.9946	0.3935				
AYS	FORE ATTACHMENT	DFS	FORE UDDER	-42.5972	0.3902				
AYS	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-39.7700	0.3921				
AYS	TEAT LENGTH	DFS	TEAT LENGTH	-38.8474	0.3763				
AYS	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-53.7409	0.4717				
AYS	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-47.2175	0.4484				
AYS	ANGULARITY	DFS	ANGULARITY	-51.1771	0.4576				

 Conversion Factors For Type. Source = INTERBULL MACE 1208
 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	
b		n		t		v		v	
t		t		r		a		a	
r		r		a		l		l	
e		y		i		u		u	
a		2		t		e		e	
i									
d								t	
								c	
								o	
								r	
								2	
AYS	CONFORMATION	GBR	CONFORMATION	-0.6414	2.9728	0.61			
AYS	FEET AND LEGS	GBR	OVERALL FEET & LEG	-2.6319	2.1479				
AYS	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-0.5803	3.5362				
AYS	STATURE	GBR	STATURE	-3.1413	4.6208				
AYS	CHEST WIDTH	GBR	CHEST WIDTH	1.5063	3.8089				
AYS	BODY DEPTH	GBR	BODY DEPTH	-0.2925	3.3866				
AYS	PIN WIDTH	GBR	RUMP WIDTH	-0.6374	3.9032				
AYS	RUMP ANGLE	GBR	RUMP ANGLE	-1.7592	4.3848				

AYS	FOOT ANGLE	GBR	FOOT ANGLE	0.5281	3.1906
AYS	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-1.2751	2.9440
AYS	UDDER DEPTH	GBR	UDDER DEPTH	-0.4505	2.7069
AYS	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	0.4882	3.1136
AYS	FORE ATTACHMENT	GBR	FORE UDDER	0.4387	2.9196
AYS	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	2.7467	3.3358
AYS	TEAT LENGTH	GBR	TEAT LENGTH	-1.4504	2.9854
AYS	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.8454	3.4392
AYS	ANGULARITY	GBR	ANGULARITY	-4.7044	4.1706

Conversion Factors For Type. Source = INTERBULL MACE 1208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NOR

	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				
AYS	CONFORMATION	NOR	OVERALL CONFORMATION	-20.7754	0.1371	0.13		
AYS	FEET AND LEGS	NOR	OVERALL FEET & LEG	-29.2166	0.2385			
AYS	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-55.9549	0.4660			
AYS	STATURE	NOR	STATURE	-57.7419	0.5041			
AYS	BODY DEPTH	NOR	BODY DEPTH	-39.9186	0.3699			
AYS	RUMP ANGLE	NOR	RUMP ANGLE	-35.5759	0.3761			
AYS	FOOT ANGLE	NOR	FOOT ANGLE	-17.5592	0.1707			
AYS	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-39.5965	0.4359			
AYS	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-28.1226	0.2662			
AYS	UDDER DEPTH	NOR	UDDER DEPTH	-41.6637	0.3494			
AYS	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-20.6207	0.1685			
AYS	FORE ATTACHMENT	NOR	FORE UDDER	-41.9878	0.3633			
AYS	FRONT TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-40.9436	0.3714			
AYS	TEAT LENGTH	NOR	TEAT LENGTH	-27.6050	0.2678			
AYS	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-51.3906	0.4035			
AYS	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	33.5001	-0.3846			

Conversion Factors For Type. Source = INTERBULL MACE 1208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NZL

	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				

AYS	CONFORMATION	NZL	OVERALL CONFORMATION	-7.2745	7.9823	0.12
AYS	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-7.3489	12.4850	
AYS	STATURE	NZL	STATURE	-10.0574	10.8054	
AYS	CHEST WIDTH	NZL	CHEST WIDTH	-0.3322	8.6662	
AYS	BODY DEPTH	NZL	BODY DEPTH	-2.6547	8.1580	
AYS	PIN WIDTH	NZL	RUMP WIDTH	-3.0919	17.7424	
AYS	RUMP ANGLE	NZL	RUMP ANGLE	-4.3584	18.9928	
AYS	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	3.7712	30.2491	
AYS	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-3.3338	11.2893	
AYS	FORE ATTACHMENT	NZL	FORE UDDER	-6.8369	13.6846	
AYS	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-4.1195	17.1422	
AYS	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-7.5950	13.5048	
AYS	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-6.0400	16.4643	

Conversion Factors For Type. Source = INTERBULL MACE 1208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

c	a	n	b	r	e	e	d	c	o	u	n	t	r	a	y	2	f	o	r	a	i	t	a	b	t	v	a	l	u	e	c	o	r	r	2		
AYS	CONFORMATION	USA	CONFORMATION	-1.6067	6.2244	0.67																															
AYS	FEET AND LEGS	USA	OVERALL FEET & LEG	-2.1306	4.2768																																
AYS	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-0.2166	5.7097																																
AYS	STATURE	USA	STATURE	-1.4572	2.7548																																
AYS	CHEST WIDTH	USA	CHEST WIDTH	0.1475	5.3228																																
AYS	BODY DEPTH	USA	BODY DEPTH	-0.5425	4.5453																																
AYS	PIN WIDTH	USA	RUMP WIDTH	0.2879	4.4375																																
AYS	RUMP ANGLE	USA	RUMP ANGLE	-0.4746	5.7042																																
AYS	FOOT ANGLE	USA	FOOT ANGLE	-0.4777	6.5346																																
AYS	REAR LEGS SIDE VIEW	USA	REAR LEG SET	0.3729	8.3152																																
AYS	UDDER DEPTH	USA	UDDER DEPTH	-0.4127	4.8173																																
AYS	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	-0.3946	4.7859																																
AYS	FORE ATTACHMENT	USA	FORE UDDER	-1.0360	4.8621																																
AYS	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.2623	4.0873																																
AYS	TEAT LENGTH	USA	TEAT LENGTH	0.0489	3.8975																																
AYS	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-1.1127	4.4485																																
AYS	ANGULARITY	USA	ANGULARITY	-0.7009	5.8217																																

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2012

BREED	BMILK	BFAT	BPRT
AYS	7378	299	248
BSW	8038	329	280
CN	5803	247	204
GUE	6752	303	229

JER	6320	311	241
HOL	9670	364	310
MS	6617	241	218

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

EXAMPLE :

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

$EBVFAT\% = 200 * [(364 + 50 * .5) / (9670 + 1000 * .5) - (364 / 9670)]$
 $= 200 * [(364 + 25) / (9670 + 500) - (0.03764)]$
 $= 200 * [0.03825 - 0.03764]$
 $= 200 * 0.00061$
 $= 0.12$

$EBVPROT\% = 200 * [(310 + 40 * .5) / (9670 + 1000 * .5) - (310 / 9670)]$
 $= 200 * [(310 + 20) / (9670 + 500) - (0.03206)]$
 $= 200 * [0.03245 - 0.03206]$
 $= 200 * 0.00039$
 $= 0.08$