

JER RUMP ANGLE	AUS RUMP ANGLE	-56.668	0.5840
JER FOOT ANGLE	AUS FOOT ANGLE	-78.999	0.7574
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-33.107	0.3593
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-54.909	0.4983
JER UDDER DEPTH	AUS UDDER DEPTH	-63.415	0.5819
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-65.987	0.6661
JER FORE ATTACHMENT	AUS FORE UDDER	-49.912	0.4487
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-53.966	0.5319
JER TEAT LENGTH	AUS TEAT LENGTH	-45.803	0.4498
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-68.940	0.6592
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-84.639	0.8477
JER ANGULARITY	AUS ANGULARITY	-62.472	0.6017

Conversion Factors For Type. Source = INTERBULL MACE 1412
 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	-31.391	0.2669	0.44
JER FEET AND LEGS	DFS OVERALL FEET & LEG	-34.855	0.3198	
JER MAMMARY SYSTEM	DFS OVERALL UDDER SCORE	-41.734	0.3940	
JER STATURE	DFS STATURE	-50.526	0.4781	
JER CHEST WIDTH	DFS CHEST WIDTH	-33.762	0.3213	
JER BODY DEPTH	DFS BODY DEPTH	-40.489	0.3771	
JER PIN WIDTH	DFS RUMP WIDTH	-55.739	0.4947	
JER RUMP ANGLE	DFS RUMP ANGLE	-44.517	0.4696	
JER FOOT ANGLE	DFS FOOT ANGLE	-36.423	0.3598	
JER REAR LEGS SIDE VIEW	DFS REAR LEG SET	-36.699	0.4043	
JER REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW	-47.433	0.4138	
JER UDDER DEPTH	DFS UDDER DEPTH	-35.170	0.3448	
JER MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY	-46.081	0.4534	
JER FORE ATTACHMENT	DFS FORE UDDER	-34.301	0.3194	
JER TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT	-45.762	0.4245	
JER TEAT LENGTH	DFS TEAT LENGTH	-32.997	0.3271	
JER REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT	-54.539	0.5365	
JER REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT	-47.392	0.4423	
JER ANGULARITY	DFS ANGULARITY	-42.086	0.4043	

Conversion Factors For Type. Source = INTERBULL MACE 1412
 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 FEET AND LEGS	GBR OVERALL FEET & LEG	-3.879	3.6477
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-4.254	4.0521
JER STATURE	GBR STATURE	-8.097	6.9058
JER CHEST WIDTH	GBR CHEST WIDTH	0.420	3.8200
JER BODY DEPTH	GBR BODY DEPTH	-0.763	3.2068
JER PIN WIDTH	GBR RUMP WIDTH	-3.801	5.0593
JER RUMP ANGLE	GBR RUMP ANGLE	-0.946	4.7293
JER FOOT ANGLE	GBR FOOT ANGLE	-2.330	3.4153
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	2.474	2.7389
JER UDDER DEPTH	GBR UDDER DEPTH	-1.933	3.1491
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-2.137	3.5461
JER FORE ATTACHMENT	GBR FORE UDDER	-1.653	3.1768
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-1.903	3.7385
JER TEAT LENGTH	GBR TEAT LENGTH	-1.523	3.6417
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-5.444	5.4049
JER ANGULARITY	GBR ANGULARITY	-5.749	5.1231

Conversion Factors For Type. Source = INTERBULL MACE 1412
 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	-4.673	6.0036	0.62
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-2.931	3.7604	
JER STATURE	ITA STATURE	-3.389	4.2024	
JER CHEST WIDTH	ITA CHEST WIDTH	-0.560	4.1526	
JER BODY DEPTH	ITA BODY DEPTH	-0.782	3.0245	
JER PIN WIDTH	ITA RUMP WIDTH	-2.657	3.2776	
JER RUMP ANGLE	ITA RUMP ANGLE	0.768	3.9114	
JER FOOT ANGLE	ITA FOOT ANGLE	-1.123	2.4708	
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	2.786	2.4694	
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-4.128	2.6252	
JER UDDER DEPTH	ITA UDDER DEPTH	-2.278	3.2218	
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-0.599	2.6313	
JER FORE ATTACHMENT	ITA FORE UDDER	-3.331	2.6985	
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-2.309	2.2086	
JER TEAT LENGTH	ITA TEAT LENGTH	-0.322	1.9069	
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-1.977	4.2393	
JER ANGULARITY	ITA ANGULARITY	-1.436	4.0302	

Conversion Factors For Type. Source = INTERBULL MACE 1412
 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		-147.235	1.6082	0.61
JER FEET AND LEGS	NLD OVERALL FEET & LEG		-98.430	0.8419	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE		-103.662	1.1034	
JER STATURE	NLD STATURE		-80.361	1.1119	
JER CHEST WIDTH	NLD CHEST WIDTH		-85.293	1.0930	
JER BODY DEPTH	NLD BODY DEPTH		-127.642	1.5524	
JER PIN WIDTH	NLD RUMP WIDTH		-84.633	1.0143	
JER RUMP ANGLE	NLD RUMP ANGLE		-100.700	1.0789	
JER FOOT ANGLE	NLD FOOT ANGLE		-100.518	1.0401	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET		-123.885	1.2450	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW		-104.069	0.8983	
JER UDDER DEPTH	NLD UDDER DEPTH		-89.751	0.9693	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY		-91.456	0.9432	
JER FORE ATTACHMENT	NLD FORE UDDER		-78.784	0.7845	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT		-107.484	1.0691	
JER TEAT LENGTH	NLD TEAT LENGTH		-105.066	1.0091	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT		-124.914	1.2591	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT		-112.420	1.1462	
JER ANGULARITY	NLD ANGULARITY		-113.841	1.3331	

 Conversion Factors For Type. Source = INTERBULL MACE 1412
 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		-8.841	10.1500	0.35
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE		-8.528	10.0560	
JER STATURE	NZL STATURE		6.710	14.7159	
JER CHEST WIDTH	NZL CHEST WIDTH		5.124	10.6365	
JER BODY DEPTH	NZL BODY DEPTH		3.371	10.2879	
JER PIN WIDTH	NZL RUMP WIDTH		4.126	19.1631	
JER RUMP ANGLE	NZL RUMP ANGLE		2.074	16.9874	

JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.134	27.5304
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-2.811	8.0502
JER FORE ATTACHMENT	NZL FORE UDDER	-6.068	7.5861
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-4.462	18.1512
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-8.996	12.5459
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-0.926	15.0704

Conversion Factors For Type. Source = INTERBULL MACE 1412
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=R;

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	R; CONFORMATION	-6.066	3.3069
------------------	-----------------	--------	--------

Conversion Factors For Type. Source = INTERBULL MACE 1412
 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)	-2.287	4.9337	0.59
JER FEET AND LEGS	USA OVERALL FEET & LEG	-2.420	5.3843	
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-1.146	7.7186	
JER STATURE	USA STATURE	0.048	4.2954	
JER CHEST WIDTH	USA STRENGTH	-0.871	6.7454	
JER PIN WIDTH	USA THURL WIDTH	-0.042	5.8926	
JER RUMP ANGLE	USA RUMP ANGLE	2.032	4.7465	
JER FOOT ANGLE	USA FOOT ANGLE	-1.725	6.3599	
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	3.060	7.5563	
JER UDDER DEPTH	USA UDDER DEPTH	-2.469	3.0514	
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	0.840	6.9812	
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-2.156	3.9448	
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	0.220	5.0339	
JER TEAT LENGTH	USA TEAT LENGTH	0.123	4.6950	
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-0.249	4.8974	
JER ANGULARITY	USA DAIRY FORM	1.076	5.5959	

 Conversion Factors For Type. Source = INTERBULL MACE 1412
 Converted Canadian Proof = A + (B* Foreign Proof)
 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	-64.886	0.6005
JER CHEST WIDTH	ZAF CHEST WIDTH	-59.539	0.5795
JER BODY DEPTH	ZAF BODY DEPTH	-48.337	0.4719
JER PIN WIDTH	ZAF RUMP WIDTH	-50.905	0.4833
JER RUMP ANGLE	ZAF RUMP ANGLE	-53.098	0.5420
JER FOOT ANGLE	ZAF FOOT ANGLE	-39.151	0.3685
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	-24.885	0.2786
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-19.244	0.1450
JER UDDER DEPTH	ZAF UDDER DEPTH	-41.653	0.3829
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-51.421	0.5095
JER FORE ATTACHMENT	ZAF FORE UDDER	-39.856	0.3570
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-52.378	0.5068
JER TEAT LENGTH	ZAF TEAT LENGTH	-41.853	0.4085
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-53.268	0.4909
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-57.244	0.5628
JER ANGULARITY	ZAF ANGULARITY	-50.391	0.4709

CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2014

BREED	BMILK	BFAT	BPRT
-----	-----	-----	-----
AYS	7482	307	252
BSW	8027	335	283
CN	6149	264	215
GUE	6705	313	230
JER	6363	316	243
HOL	9855	375	316
MS	6898	251	227

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

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

EXAMPLE :

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

$$EBVFAT\% = 200 * [(375 + 50 * .5) / (9855 + 1000 * .5) - (375 / 9855)]$$

$$= 200 * [(375 + 25) / (9855 + 500) - (0.03805)]$$

$$= 200 * [0.03863 - 0.03805]$$

$$\begin{aligned} &= 200 * 0.00058 \\ &= 0.12 \end{aligned}$$

$$\begin{aligned} \text{EBVPRT}\% &= 200 * [(316+40*.5)/(9855+1000*.5)-(316/9855)] \\ &= 200 * [(316+20)/(9855+500)-(0.03206)] \\ &= 200 * [0.03245 - 0.03206] \\ &= 200 * 0.00038 \\ &= 0.08 \end{aligned}$$