



JER RUMP ANGLE	AUS RUMP ANGLE	-57.595	0.5929
JER FOOT ANGLE	AUS FOOT ANGLE	-84.079	0.8097
JER REAR LEGS SIDE VIEW	AUS REAR LEG SET	-47.534	0.5113
JER REAR LEG REAR VIEW	AUS REAR LEG REAR VIEW	-46.443	0.4112
JER UDDER DEPTH	AUS UDDER DEPTH	-62.477	0.5711
JER MEDIAN SUSPENSORY	AUS MEDIAN SUSPENSORY	-66.351	0.6727
JER FORE ATTACHMENT	AUS FORE UDDER	-49.415	0.4409
JER FRONT TEAT PLACEMENT	AUS FRONT TEAT PLACEMENT	-53.261	0.5257
JER TEAT LENGTH	AUS TEAT LENGTH	-44.726	0.4406
JER REAR ATTACHMENT HEIGHT	AUS REAR UDDER HEIGHT	-69.205	0.6588
JER REAR TEAT PLACEMENT	AUS REAR TEAT PLACEMENT	-83.582	0.8362
JER ANGULARITY	AUS ANGULARITY	-58.606	0.5625

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 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	-23.019	0.1794	0.19
JER FEET AND LEGS	DFS OVERALL FEET & LEG	-33.680	0.3059	
JER MAMMARY SYSTEM	DFS OVERALL UDDER SCORE	-46.321	0.4393	
JER STATURE	DFS STATURE	-51.883	0.4860	
JER CHEST WIDTH	DFS CHEST WIDTH	-32.464	0.3169	
JER BODY DEPTH	DFS BODY DEPTH	-35.975	0.3398	
JER PIN WIDTH	DFS RUMP WIDTH	-59.220	0.5270	
JER RUMP ANGLE	DFS RUMP ANGLE	-40.812	0.4341	
JER FOOT ANGLE	DFS FOOT ANGLE	-35.613	0.3587	
JER REAR LEGS SIDE VIEW	DFS REAR LEG SET	-33.969	0.3750	
JER REAR LEG REAR VIEW	DFS REAR LEG REAR VIEW	-42.870	0.3616	
JER UDDER DEPTH	DFS UDDER DEPTH	-34.997	0.3386	
JER MEDIAN SUSPENSORY	DFS MEDIAN SUSPENSORY	-51.514	0.5079	
JER FORE ATTACHMENT	DFS FORE UDDER	-34.149	0.3071	
JER TEAT PLACEMENT	DFS FRONT TEAT PLACEMENT	-44.578	0.4116	
JER TEAT LENGTH	DFS TEAT LENGTH	-33.934	0.3426	
JER REAR ATTACHMENT HEIGHT	DFS REAR UDDER HEIGHT	-51.828	0.4936	
JER REAR TEAT PLACEMENT	DFS REAR TEAT PLACEMENT	-48.601	0.4550	
JER ANGULARITY	DFS ANGULARITY	-35.096	0.3235	

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 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 CONFORMATION	GBR CONFORMATION	-5.986	3.3457	0.67
JER FEET AND LEGS	GBR OVERALL FEET & LEG	-3.974	3.7229	
JER MAMMARY SYSTEM	GBR OVERALL UDDER SCORE	-4.127	4.0960	
JER STATURE	GBR STATURE	-8.561	7.0836	
JER CHEST WIDTH	GBR CHEST WIDTH	0.383	3.9040	
JER BODY DEPTH	GBR BODY DEPTH	-1.019	3.0971	
JER PIN WIDTH	GBR RUMP WIDTH	-3.780	5.0305	
JER RUMP ANGLE	GBR RUMP ANGLE	-0.781	4.7062	
JER FOOT ANGLE	GBR FOOT ANGLE	-2.327	3.4413	
JER REAR LEGS SIDE VIEW	GBR REAR LEG SET	2.581	2.7935	
JER UDDER DEPTH	GBR UDDER DEPTH	-2.104	3.1875	
JER MEDIAN SUSPENSORY	GBR MEDIAN SUSPENSORY	-2.060	3.7607	
JER FORE ATTACHMENT	GBR FORE UDDER	-1.894	3.2731	
JER TEAT PLACEMENT	GBR FRONT TEAT PLACEMENT	-1.734	3.8017	
JER TEAT LENGTH	GBR TEAT LENGTH	-1.393	3.5516	
JER REAR ATTACHMENT HEIGHT	GBR REAR UDDER HEIGHT	-6.161	5.6641	
JER ANGULARITY	GBR ANGULARITY	-5.841	5.0646	

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 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 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 CONFORMATION	ITA CONFORMATION	-5.181	5.8685	0.62
JER FEET AND LEGS	ITA OVERALL FEET & LEG	-3.100	3.8583	
JER STATURE	ITA STATURE	-3.731	4.2446	
JER CHEST WIDTH	ITA CHEST WIDTH	-0.724	4.2516	
JER BODY DEPTH	ITA BODY DEPTH	-0.994	2.9051	
JER PIN WIDTH	ITA RUMP WIDTH	-2.458	3.1737	
JER RUMP ANGLE	ITA RUMP ANGLE	0.662	3.9978	
JER FOOT ANGLE	ITA FOOT ANGLE	-1.120	2.4682	
JER REAR LEGS SIDE VIEW	ITA REAR LEG SET	2.909	2.3461	
JER REAR LEG REAR VIEW	ITA REAR LEG REAR VIEW	-4.632	1.9855	
JER UDDER DEPTH	ITA UDDER DEPTH	-2.433	3.3735	
JER MEDIAN SUSPENSORY	ITA MEDIAN SUSPENSORY	-0.650	2.4908	
JER FORE ATTACHMENT	ITA FORE UDDER	-3.974	2.7692	
JER TEAT PLACEMENT	ITA FRONT TEAT PLACEMENT	-2.617	2.0583	
JER TEAT LENGTH	ITA TEAT LENGTH	-0.209	1.7485	
JER REAR ATTACHMENT HEIGHT	ITA REAR UDDER HEIGHT	-2.553	4.6395	
JER ANGULARITY	ITA ANGULARITY	-1.740	3.8422	

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NLD

c a n b t r r e a e i d t	c f o o u r n t t r r a y i 2 t	a v a l u e	b v a l u e	t c o r r e 2
JER CONFORMATION	NLD CONFORMATION	-150.860	1.6499	0.59
JER FEET AND LEGS	NLD OVERALL FEET & LEG	-119.703	1.0264	
JER MAMMARY SYSTEM	NLD OVERALL UDDER SCORE	-103.550	1.1057	
JER STATURE	NLD STATURE	-81.450	1.1255	
JER CHEST WIDTH	NLD CHEST WIDTH	-79.654	1.0202	
JER BODY DEPTH	NLD BODY DEPTH	-127.907	1.5504	
JER PIN WIDTH	NLD RUMP WIDTH	-69.185	0.8251	
JER RUMP ANGLE	NLD RUMP ANGLE	-96.424	1.0321	
JER FOOT ANGLE	NLD FOOT ANGLE	-108.910	1.1276	
JER REAR LEGS SIDE VIEW	NLD REAR LEG SET	-118.607	1.1955	
JER REAR LEG REAR VIEW	NLD REAR LEG REAR VIEW	-94.132	0.8002	
JER UDDER DEPTH	NLD UDDER DEPTH	-88.174	0.9503	
JER MEDIAN SUSPENSORY	NLD MEDIAN SUSPENSORY	-92.909	0.9566	
JER FORE ATTACHMENT	NLD FORE UDDER	-77.979	0.7720	
JER TEAT PLACEMENT	NLD FRONT TEAT PLACEMENT	-107.146	1.0681	
JER TEAT LENGTH	NLD TEAT LENGTH	-106.163	1.0209	
JER REAR ATTACHMENT HEIGHT	NLD REAR UDDER HEIGHT	-131.187	1.3212	
JER REAR TEAT PLACEMENT	NLD REAR TEAT PLACEMENT	-109.862	1.1264	
JER ANGULARITY	NLD ANGULARITY	-119.743	1.4061	

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NZL

c a n b t r r e a e i d t	c f o o u r n t t r r a y i 2 t	a v a l u e	b v a l u e	t c o r r e 2
JER CONFORMATION	NZL OVERALL CONFORMATION	-8.766	9.9520	0.34
JER MAMMARY SYSTEM	NZL OVERALL UDDER SCORE	-8.067	10.0264	
JER STATURE	NZL STATURE	6.697	15.1882	
JER CHEST WIDTH	NZL CHEST WIDTH	4.875	10.2003	
JER BODY DEPTH	NZL BODY DEPTH	2.597	9.7927	
JER PIN WIDTH	NZL RUMP WIDTH	4.098	19.3627	

JER RUMP ANGLE	NZL RUMP ANGLE	2.172	17.1568
JER REAR LEGS SIDE VIEW	NZL REAR LEG SET	1.401	28.2989
JER MEDIAN SUSPENSORY	NZL MEDIAN SUSPENSORY	-2.682	8.1912
JER FORE ATTACHMENT	NZL FORE UDDER	-6.465	7.5199
JER FRONT TEAT PLACEMENT	NZL FRONT TEAT PLACEMENT	-4.199	18.0733
JER REAR ATTACHMENT HEIGHT	NZL REAR UDDER HEIGHT	-9.678	12.6130
JER REAR TEAT PLACEMENT	NZL REAR TEAT PLACEMENT	-0.992	15.2860

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 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)	-4.919	4.9279	0.56	
JER FEET AND LEGS	USA OVERALL FEET & LEG	-3.162	5.4427		
JER MAMMARY SYSTEM	USA OVERALL UDDER SCORE	-3.547	7.7114		
JER STATURE	USA STATURE	-1.736	4.3901		
JER CHEST WIDTH	USA STRENGTH	-1.810	6.7265		
JER PIN WIDTH	USA THURL WIDTH	-1.242	5.6756		
JER RUMP ANGLE	USA RUMP ANGLE	1.868	4.7882		
JER FOOT ANGLE	USA FOOT ANGLE	-2.667	6.4221		
JER REAR LEGS SIDE VIEW	USA REAR LEGS - SIDE VIEW	2.750	7.7198		
JER UDDER DEPTH	USA UDDER DEPTH	-3.854	3.1005		
JER MEDIAN SUSPENSORY	USA UDDER CLEFT	-0.068	7.1893		
JER FORE ATTACHMENT	USA FORE UDDER ATTACHMENT	-4.176	4.0926		
JER FRONT TEAT PLACEMENT	USA FRONT TEAT PLACEMENT	-1.696	5.0616		
JER TEAT LENGTH	USA TEAT LENGTH	-0.226	4.7044		
JER REAR ATTACHMENT HEIGHT	USA REAR UDDER HEIGHT	-2.472	5.0374		
JER ANGULARITY	USA DAIRY FORM	-0.980	5.6491		

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Conversion Factors For Type. Source = INTERBULL MACE 1404  
 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	-68.894	0.6372		

JER CHEST WIDTH	ZAF CHEST WIDTH	-59.712	0.5801
JER BODY DEPTH	ZAF BODY DEPTH	-49.474	0.4859
JER PIN WIDTH	ZAF RUMP WIDTH	-64.925	0.6019
JER RUMP ANGLE	ZAF RUMP ANGLE	-53.544	0.5472
JER FOOT ANGLE	ZAF FOOT ANGLE	-41.999	0.3989
JER REAR LEGS SIDE VIEW	ZAF REAR LEG SET	-25.803	0.2887
JER REAR LEG REAR VIEW	ZAF REAR LEG REAR VIEW	-13.823	0.0871
JER UDDER DEPTH	ZAF UDDER DEPTH	-43.656	0.4010
JER MEDIAN SUSPENSORY	ZAF MEDIAN SUSPENSORY	-52.868	0.5219
JER FORE ATTACHMENT	ZAF FORE UDDER	-39.193	0.3506
JER TEAT PLACEMENT	ZAF FRONT TEAT PLACEMENT	-52.860	0.5104
JER TEAT LENGTH	ZAF TEAT LENGTH	-41.677	0.4087
JER REAR ATTACHMENT HEIGHT	ZAF REAR UDDER HEIGHT	-54.680	0.5031
JER REAR TEAT PLACEMENT	ZAF REAR TEAT PLACEMENT	-57.906	0.5680
JER ANGULARITY	ZAF ANGULARITY	-56.618	0.5297

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CALCULATION OF FAT% AND PROTEIN% FOR APRIL 2014

BREED	BMILK	BFAT	BPRT
AYS	7508	307	253
BSW	7991	334	282
CN	6129	263	214
GUE	6716	312	230
JER	6367	316	243
HOL	9854	375	316
MS	6881	250	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

$$\begin{aligned}
 EBVFAT\% &= 200 * [ (375 + 50 * .5) / (9854 + 1000 * .5) - (375 / 9854) ] \\
 &= 200 * [ (375 + 25) / (9854 + 500) - (0.03806) ] \\
 &= 200 * [ 0.03863 - 0.03806 ] \\
 &= 200 * 0.00058 \\
 &= 0.12
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [ (316 + 40 * .5) / (9854 + 1000 * .5) - (316 / 9854) ] \\
 &= 200 * [ (316 + 20) / (9854 + 500) - (0.03207) ] \\
 &= 200 * [ 0.03245 - 0.03207 ] \\
 &= 200 * 0.00038 \\
 &= 0.08
 \end{aligned}$$