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 Conversion Factors For Production Traits. Source: INTERBULL 2112  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = PCORR2\*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
MSH	AUS	343.20	0.8300	35.700	1.2580	13.300	0.7890	0.5184
MSH	CAN	495.30	0.6020	35.000	0.7190	15.700	0.4590	0.6889
MSH	DEU	899.70	0.5400	69.700	0.7810	31.100	0.4490	0.6724
MSH	DFS	-2373.60	35.2540	-102.600	1.7980	-43.100	0.8290	0.6889
MSH	EST	955.40	0.7450	60.800	0.9780	31.800	0.6030	0.6889
MSH	GBR	229.60	1.4930	21.300	2.2760	10.200	1.4620	0.6724
MSH	IRL	916.08	2.0239	54.063	2.3994	28.620	1.5887	0.6084
MSH	LTU	52.90	1.2250	24.400	1.2940	8.500	1.0160	0.6400
MSH	LVA	809.00	1.2580	53.000	1.6010	26.700	1.0710	0.6724
MSH	NLD	1521.40	0.4618	89.654	0.6588	46.288	0.3408	0.6724
MSH	NOR	-1906.30	30.1400	-89.100	1.5630	-38.300	0.7570	0.7056
MSH	NZL	425.00	0.8900	56.200	1.1330	22.800	0.7660	0.4489
MSH	USA	371.60	0.5960	23.400	0.7930	12.000	0.4880	0.8281
MSH	ZAF	409.29	0.6137	28.937	0.9712	12.859	0.5653	0.6889

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 Conversion Factors For SCS Traits. Source: INTERBULL 2112  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = SCORR2\*Foreign Reliability

breed	country2	a	b	scorr2
MSH	AUS	98.600	-21.2570	0.7921
MSH	CAN	2.400	1.0130	0.8100
MSH	DEU	63.200	0.4000	0.8281
MSH	DFS	61.400	0.4410	0.8100
MSH	EST	73.700	0.3010	0.8100
MSH	GBR	102.900	-0.5170	0.8281
MSH	LTU	100.900	-15.3960	0.8100
MSH	LVA	99.900	-12.9290	0.8100
MSH	NLD	-29.908	1.3588	0.8281
MSH	NOR	63.800	0.4000	0.8281
MSH	NZL	98.200	-13.1130	0.7569
MSH	USA	174.600	-24.1620	0.7056
MSH	ZAF	104.573	-0.2252	0.8100

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 Conversion Factors For Type. Source = INTERBULL MACE 2112  
 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

MSH	CONFORMATION	AUS	CONFORMATION	4.129	4.0511	0.5
3						
MSH	FEET AND LEGS	AUS	OVERALL FEET & LEG	3.551	8.1139	
MSH	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	4.550	3.5933	
MSH	STATURE	AUS	STATURE	0.351	7.9648	
MSH	CHEST WIDTH	AUS	CHEST WIDTH	3.726	12.8811	
MSH	BODY DEPTH	AUS	BODY DEPTH	1.229	8.0274	
MSH	PIN WIDTH	AUS	RUMP WIDTH	1.863	12.2667	
MSH	RUMP ANGLE	AUS	RUMP ANGLE	-1.472	12.1947	
MSH	FOOT ANGLE	AUS	FOOT ANGLE	2.402	21.2770	
MSH	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	-0.384	23.1286	
MSH	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	3.510	28.1122	
MSH	UDDER DEPTH	AUS	UDDER DEPTH	-0.815	7.6605	
MSH	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	2.014	13.8227	
MSH	FORE ATTACHMENT	AUS	FORE UDDER	4.013	14.0825	
MSH	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	3.282	11.7654	
MSH	TEAT LENGTH	AUS	TEAT LENGTH	-2.409	12.8959	
MSH	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	1.004	11.2270	
MSH	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	1.539	14.7644	
MSH	ANGULARITY	AUS	ANGULARITY	1.787	12.2505	

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 Conversion Factors For Type. Source = INTERBULL MACE 2112  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CAN

b	c	c	f			
r	a	o	o	a	b	t
e	n	u	r	v	v	c
	t	n	t	a	a	o
	a	r	a	l	l	r

e d	i t	y 2	i t	u e	u e	r 2
MSH	CONFORMATION	CAN	CONFORMATION	7.321	0.8067	0.6
1						
MSH	FEET AND LEGS	CAN	OVERALL FEET & LEG	7.761	1.0291	
MSH	MAMMARY SYSTEM	CAN	OVERALL UDDER SCORE	10.527	0.9229	
MSH	STATURE	CAN	STATURE	4.616	0.7846	
MSH	CHEST WIDTH	CAN	CHEST WIDTH	1.361	0.7391	
MSH	BODY DEPTH	CAN	BODY DEPTH	1.222	0.6526	
MSH	PIN WIDTH	CAN	RUMP WIDTH	5.266	0.9837	
MSH	RUMP ANGLE	CAN	RUMP ANGLE	0.457	0.8591	
MSH	FOOT ANGLE	CAN	FOOT ANGLE	4.588	0.9637	
MSH	REAR LEGS SIDE VIEW	CAN	REAR LEG SET	-1.255	0.7698	
MSH	REAR LEG REAR VIEW	CAN	REAR LEG REAR VIEW	4.808	0.7351	
MSH	UDDER DEPTH	CAN	UDDER DEPTH	3.173	0.7543	
MSH	MEDIAN SUSPENSORY	CAN	MEDIAN SUSPENSORY	5.067	0.8048	
MSH	FORE ATTACHMENT	CAN	FORE UDDER	8.422	0.8941	
MSH	TEAT PLACEMENT	CAN	FRONT TEAT PLACEMENT	3.762	1.0997	
MSH	TEAT LENGTH	CAN	TEAT LENGTH	-3.802	1.3968	
MSH	REAR ATTACHMENT HEIGHT	CAN	REAR UDDER HEIGHT	8.631	0.9411	
MSH	REAR TEAT PLACEMENT	CAN	REAR TEAT PLACEMENT	3.600	0.9196	
MSH	ANGULARITY	CAN	ANGULARITY	6.205	0.7183	

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
Converted Canadian Proof = A + (B\* Foreign Proof)  
Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=DEU

b r e e d	c a n t r y 2	c o u n t r y 2	f o r e i g n c o u n t r y 2	a v e r a g e	b v a l u e	t c o r r e c t i o n
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MSH	FEET AND LEGS	DEU	OVERALL FEET & LEG	-26.163	0.3623
MSH	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-23.738	0.3304
MSH	STATURE	DEU	STATURE	-32.273	0.3769
MSH	CHEST WIDTH	DEU	CHEST WIDTH	-40.271	0.4468
MSH	BODY DEPTH	DEU	BODY DEPTH	-38.188	0.4047
MSH	PIN WIDTH	DEU	RUMP WIDTH	-51.805	0.5844
MSH	RUMP ANGLE	DEU	RUMP ANGLE	-58.424	0.5589
MSH	FOOT ANGLE	DEU	FOOT ANGLE	-33.334	0.4166
MSH	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-63.463	0.5825
MSH	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-41.408	0.4998
MSH	UDDER DEPTH	DEU	UDDER DEPTH	-29.155	0.3280
MSH	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-34.522	0.3907
MSH	FORE ATTACHMENT	DEU	FORE UDDER	-37.206	0.4360
MSH	TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-44.230	0.4734
MSH	TEAT LENGTH	DEU	TEAT LENGTH	-58.089	0.5158
MSH	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-30.186	0.3638
MSH	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-37.340	0.3814
MSH	ANGULARITY	DEU	ANGULARITY	-34.972	0.4077

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
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	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
MSH	CONFORMATION	DFS	CONFORMATION	-45.709	0.4774	0.6
1						
MSH	FEET AND LEGS	DFS	OVERALL FEET & LEG	-34.849	0.4135	
MSH	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-44.089	0.5311	

MSH	STATURE	DFS	STATURE	-55.292	0.5820
MSH	CHEST WIDTH	DFS	CHEST WIDTH	-37.047	0.4029
MSH	BODY DEPTH	DFS	BODY DEPTH	-36.083	0.3499
MSH	PIN WIDTH	DFS	RUMP WIDTH	-51.107	0.5497
MSH	RUMP ANGLE	DFS	RUMP ANGLE	-50.268	0.5141
MSH	FOOT ANGLE	DFS	FOOT ANGLE	-63.945	0.6777
MSH	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-57.273	0.5833
MSH	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-39.490	0.4504
MSH	UDDER DEPTH	DFS	UDDER DEPTH	-35.153	0.3939
MSH	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-32.301	0.3367
MSH	FORE ATTACHMENT	DFS	FORE UDDER	-38.744	0.4583
MSH	TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-48.202	0.5277
MSH	TEAT LENGTH	DFS	TEAT LENGTH	-70.909	0.6594
MSH	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-46.003	0.5011
MSH	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-43.466	0.4427
MSH	ANGULARITY	DFS	ANGULARITY	-56.721	0.5862

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
 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
MSH	FEET AND LEGS	GBR	OVERALL FEET & LEG	6.937	3.9778	
MSH	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	10.860	3.6205	
MSH	STATURE	GBR	STATURE	2.006	3.9722	
MSH	CHEST WIDTH	GBR	CHEST WIDTH	4.967	3.2918	

MSH	BODY DEPTH	GBR	BODY DEPTH	2.440	2.5579
MSH	PIN WIDTH	GBR	RUMP WIDTH	4.198	4.0999
MSH	RUMP ANGLE	GBR	RUMP ANGLE	-1.285	3.3043
MSH	FOOT ANGLE	GBR	FOOT ANGLE	2.395	3.9224
MSH	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-2.416	3.1355
MSH	UDDER DEPTH	GBR	UDDER DEPTH	2.826	2.3154
MSH	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	4.608	2.6737
MSH	FORE ATTACHMENT	GBR	FORE UDDER	9.153	3.5360
MSH	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	6.520	4.1767
MSH	TEAT LENGTH	GBR	TEAT LENGTH	-4.312	4.9689
MSH	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	7.078	3.8612
MSH	ANGULARITY	GBR	ANGULARITY	2.633	3.9586

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
Converted Canadian Proof = A + (B\* Foreign Proof)  
Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=LVA

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			
MSH	STATURE	LVA	STATURE	-7.944	8.0346	
MSH	CHEST WIDTH	LVA	CHEST WIDTH	-1.006	17.4338	
MSH	BODY DEPTH	LVA	BODY DEPTH	-2.378	12.4096	
MSH	PIN WIDTH	LVA	RUMP WIDTH	-3.668	14.8785	
MSH	RUMP ANGLE	LVA	RUMP ANGLE	-9.390	12.1764	
MSH	FOOT ANGLE	LVA	FOOT ANGLE	2.402	25.4580	
MSH	REAR LEGS SIDE VIEW	LVA	REAR LEG SET	-12.932	20.1975	
MSH	REAR LEG REAR VIEW	LVA	REAR LEG REAR VIEW	1.654	22.2807	
MSH	UDDER DEPTH	LVA	UDDER DEPTH	-4.129	9.7910	

MSH	MEDIAN SUSPENSORY	LVA	MEDIAN SUSPENSORY	-2.068	15.2865
MSH	FORE ATTACHMENT	LVA	FORE UDDER	-4.332	15.4552
MSH	TEAT PLACEMENT	LVA	FRONT TEAT PLACEMENT	-4.017	16.5704
MSH	TEAT LENGTH	LVA	TEAT LENGTH	-9.882	14.1916
MSH	REAR ATTACHMENT HEIGHT	LVA	REAR UDDER HEIGHT	-7.055	13.9811
MSH	REAR TEAT PLACEMENT	LVA	REAR TEAT PLACEMENT	-7.873	15.0999
MSH	ANGULARITY	LVA	ANGULARITY	-9.190	20.1107

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
Converted Canadian Proof = A + (B\* Foreign Proof)  
Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NLD

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			2
MSH	CONFORMATION	NLD	CONFORMATION	-148.731	1.6772	0.6
MSH	FEET AND LEGS	NLD	OVERALL FEET & LEG	-72.590	0.8241	
MSH	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-120.422	1.4004	
MSH	STATURE	NLD	STATURE	-92.102	1.0726	
MSH	CHEST WIDTH	NLD	CHEST WIDTH	-104.070	1.1612	
MSH	BODY DEPTH	NLD	BODY DEPTH	-82.802	0.9513	
MSH	PIN WIDTH	NLD	RUMP WIDTH	-82.165	0.9375	
MSH	RUMP ANGLE	NLD	RUMP ANGLE	-86.739	0.8696	
MSH	FOOT ANGLE	NLD	FOOT ANGLE	-116.894	1.2670	
MSH	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-105.724	0.9980	
MSH	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-94.599	1.0305	
MSH	UDDER DEPTH	NLD	UDDER DEPTH	-90.376	0.9868	
MSH	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-92.931	1.0016	

MSH	FORE ATTACHMENT	NLD	FORE UDDER	-115.638	1.2827
MSH	TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-122.773	1.3384
MSH	TEAT LENGTH	NLD	TEAT LENGTH	-133.186	1.3169
MSH	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-103.027	1.2037
MSH	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-99.091	1.0603
MSH	ANGULARITY	NLD	ANGULARITY	-99.162	1.1846

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
Converted Canadian Proof = A + (B\* Foreign Proof)  
Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NOR

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	r	r		l	l
e	a	y	i		u	u
e	i	2	t		e	e
d	t					2
MSH	CONFORMATION	NOR	CONFORMATION	-41.176	0.4175	0.6
2						
MSH	FEET AND LEGS	NOR	OVERALL FEET & LEG	-38.128	0.3995	
MSH	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-39.560	0.4017	
MSH	STATURE	NOR	STATURE	-38.683	0.3715	
MSH	CHEST WIDTH	NOR	CHEST WIDTH	-30.483	0.3747	
MSH	BODY DEPTH	NOR	BODY DEPTH	-27.921	0.2705	
MSH	PIN WIDTH	NOR	RUMP WIDTH	-35.490	0.4185	
MSH	RUMP ANGLE	NOR	RUMP ANGLE	-40.506	0.4253	
MSH	FOOT ANGLE	NOR	FOOT ANGLE	-43.140	0.4554	
MSH	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-42.948	0.4350	
MSH	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-34.003	0.3712	
MSH	UDDER DEPTH	NOR	UDDER DEPTH	-30.662	0.2912	
MSH	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-39.705	0.3806	
MSH	FORE ATTACHMENT	NOR	FORE UDDER	-42.557	0.4439	
MSH	TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-44.940	0.4448	



MSH	TEAT LENGTH	NOR	TEAT LENGTH	-59.373	0.5355
MSH	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-43.393	0.4106
MSH	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	-39.081	0.4041
MSH	ANGULARITY	NOR	ANGULARITY	-39.168	0.3503

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Conversion Factors For Type. Source = INTERBULL MACE 2112  
Converted Canadian Proof = A + (B\* Foreign Proof)  
Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NZL

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	r	r		l	l
e	a	y	a		u	u
e	i	2	i		e	e
d	t	2	t			2
MSH	CONFORMATION	NZL	CONFORMATION	1.668	16.6381	0.5
2						
MSH	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	0.776	15.9023	
MSH	STATURE	NZL	STATURE	-6.164	10.3930	
MSH	CHEST WIDTH	NZL	CHEST WIDTH	3.927	14.9460	
MSH	BODY DEPTH	NZL	BODY DEPTH	1.333	11.2280	
MSH	PIN WIDTH	NZL	RUMP WIDTH	-0.112	17.9501	
MSH	RUMP ANGLE	NZL	RUMP ANGLE	-4.543	18.0733	
MSH	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	1.445	43.3023	
MSH	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	0.121	13.9459	
MSH	FORE ATTACHMENT	NZL	FORE UDDER	0.732	14.3535	
MSH	TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-2.429	25.4762	
MSH	TEAT LENGTH	NZL	TEAT LENGTH	3.836	16.2704	
MSH	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	1.698	16.7012	
MSH	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-2.299	17.3644	

Conversion Factors For Type. Source = INTERBULL MACE 2112  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=USA

	c	c	f			
	a	o	o		a	b
	n	u	r		v	v
b	t	n	t		a	a
r	r	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			2
MSH	CONFORMATION	USA	CONFORMATION	8.491	8.7998	0.6
4						
MSH	FEET AND LEGS	USA	OVERALL FEET & LEG	6.636	4.1078	
MSH	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	10.752	5.5210	
MSH	STATURE	USA	STATURE	4.596	2.1267	
MSH	CHEST WIDTH	USA	CHEST WIDTH	3.622	4.1449	
MSH	BODY DEPTH	USA	BODY DEPTH	2.975	3.0634	
MSH	PIN WIDTH	USA	RUMP WIDTH	5.652	4.0548	
MSH	RUMP ANGLE	USA	RUMP ANGLE	-1.209	3.0745	
MSH	FOOT ANGLE	USA	FOOT ANGLE	3.269	5.7841	
MSH	REAR LEGS SIDE VIEW	USA	REAR LEG SET	-3.287	5.7558	
MSH	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	5.182	-5.3635	
MSH	UDDER DEPTH	USA	UDDER DEPTH	3.390	3.1504	
MSH	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	3.179	3.8054	
MSH	FORE ATTACHMENT	USA	FORE UDDER	8.360	3.5297	
MSH	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	4.159	4.3495	
MSH	TEAT LENGTH	USA	TEAT LENGTH	-3.016	4.1933	
MSH	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	8.494	3.7261	
MSH	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	3.898	3.9869	
MSH	ANGULARITY	USA	ANGULARITY	7.151	4.6313	

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 CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2021

BREED      BMILK      BFAT      BPRT  
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AYS	7970	333	273
BSW	8445	360	302
CN	5642	243	201
GUE	7093	331	251
JER	6976	359	271
HOL	10720	424	350
MS	7057	279	234

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% =  $200 * [(424 + 50 * 0.5) / (10720 + 1000 * 0.5) - (424 / 11E3)]$   
 =  $200 * [(424 + 25) / (10720 + 500) - (0.03955)]$   
 =  $200 * [0.04002 - 0.03955]$   
 =  $200 * 0.00047$   
 = 0.09

EBVPROT% =  $200 * [(350 + 40 * 0.5) / (10720 + 1000 * 0.5) - (350 / 11E3)]$   
 =  $200 * [(350 + 20) / (10720 + 500) - (0.03265)]$   
 =  $200 * [0.03298 - 0.03265]$   
 =  $200 * 0.00033$   
 = 0.07