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 Conversion Factors For Production Traits. Source: INTERBULL 2208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = PCORR2*Foreign Reliability

breed	country2	amilk	bmilk	afat	bfat	aprot	bprot	pcorr2
MSH	AUS	303.90	0.7780	34.000	1.2560	11.800	0.7600	0.4900
MSH	CAN	458.40	0.5520	33.900	0.6970	14.400	0.4290	0.6561
MSH	DEU	863.00	0.5120	69.200	0.7510	30.200	0.4310	0.6400
MSH	DFS	-2254.40	33.2670	-101.400	1.7730	-41.200	0.7920	0.6561
MSH	EST	881.30	0.7050	58.700	0.9530	29.700	0.5760	0.6561
MSH	GBR	212.50	1.3840	20.200	2.1970	9.000	1.4100	0.6561
MSH	IRL	838.89	1.9531	51.825	2.4410	26.480	1.5639	0.5776
MSH	LTU	148.08	1.0892	28.655	1.2075	11.099	0.8924	0.6241
MSH	LVA	720.40	1.1990	49.000	1.5690	23.900	1.0420	0.6400
MSH	NLD	1406.02	0.4398	87.055	0.6515	43.636	0.3326	0.6561
MSH	NOR	-1658.00	26.8930	-80.000	1.4560	-32.700	0.6750	0.6561
MSH	NZL	342.80	0.8570	52.700	1.1030	20.300	0.7400	0.4489
MSH	USA	323.50	0.5480	21.800	0.8050	10.100	0.4690	0.8100
MSH	ZAF	356.12	0.5847	27.178	0.9641	11.298	0.5452	0.6724

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 Conversion Factors For SCS Traits. Source: INTERBULL 2208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = SCORR2*Foreign Reliability

breed	country2	a	b	scorr2
MSH	AUS	98.600	-20.4840	0.7744
MSH	CAN	10.500	0.9340	0.7921
MSH	DEU	63.600	0.3900	0.8100
MSH	DFS	61.900	0.4350	0.8100
MSH	EST	73.400	0.3000	0.8100
MSH	GBR	102.900	-0.5100	0.8100
MSH	LTU	100.910	-16.2901	0.7921
MSH	LVA	103.100	-0.0130	0.7744
MSH	NLD	-31.659	1.3735	0.8100
MSH	NOR	63.700	0.4020	0.7921
MSH	NZL	98.300	-12.7590	0.7396
MSH	USA	172.300	-23.3540	0.6889
MSH	ZAF	104.333	-0.2200	0.7921

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 Conversion Factors For Type. Source = INTERBULL MACE 2208
 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	3.872	4.0401	0.5
2						
MSH	FEET AND LEGS	AUS	OVERALL FEET & LEG	2.851	7.9753	
MSH	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	4.262	3.7164	
MSH	STATURE	AUS	STATURE	0.153	7.8398	
MSH	CHEST WIDTH	AUS	CHEST WIDTH	3.668	13.0758	
MSH	BODY DEPTH	AUS	BODY DEPTH	1.244	8.3042	
MSH	PIN WIDTH	AUS	RUMP WIDTH	1.677	12.4831	
MSH	RUMP ANGLE	AUS	RUMP ANGLE	-1.482	11.9217	
MSH	FOOT ANGLE	AUS	FOOT ANGLE	2.040	22.2617	
MSH	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	0.206	24.6634	
MSH	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	2.038	27.0744	
MSH	UDDER DEPTH	AUS	UDDER DEPTH	-0.807	7.9434	
MSH	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	1.639	14.6310	
MSH	FORE ATTACHMENT	AUS	FORE UDDER	4.378	14.0291	
MSH	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	3.424	11.4252	
MSH	TEAT LENGTH	AUS	TEAT LENGTH	-2.958	12.2060	
MSH	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	0.326	11.2290	
MSH	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	0.996	14.9005	
MSH	ANGULARITY	AUS	ANGULARITY	2.342	12.6763	

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 Conversion Factors For Type. Source = INTERBULL MACE 2208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CAN

	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 d	i t	y 2	i t	u e	u e	r 2
MSH	CONFORMATION	CAN	CONFORMATION	7.130	0.8021	0.5
MSH	FEET AND LEGS	CAN	OVERALL FEET & LEG	7.843	1.0739	
MSH	MAMMARY SYSTEM	CAN	OVERALL UDDER SCORE	10.479	0.9383	
MSH	STATURE	CAN	STATURE	4.448	0.8010	
MSH	CHEST WIDTH	CAN	CHEST WIDTH	1.342	0.7510	
MSH	BODY DEPTH	CAN	BODY DEPTH	1.153	0.6916	
MSH	PIN WIDTH	CAN	RUMP WIDTH	5.241	0.9943	
MSH	RUMP ANGLE	CAN	RUMP ANGLE	0.565	0.8451	
MSH	FOOT ANGLE	CAN	FOOT ANGLE	4.454	1.0220	
MSH	REAR LEGS SIDE VIEW	CAN	REAR LEG SET	-0.958	0.8036	
MSH	REAR LEG REAR VIEW	CAN	REAR LEG REAR VIEW	4.223	0.7601	
MSH	UDDER DEPTH	CAN	UDDER DEPTH	3.266	0.7479	
MSH	MEDIAN SUSPENSORY	CAN	MEDIAN SUSPENSORY	5.311	0.8377	
MSH	FORE ATTACHMENT	CAN	FORE UDDER	8.776	0.8802	
MSH	TEAT PLACEMENT	CAN	FRONT TEAT PLACEMENT	3.691	1.0688	
MSH	TEAT LENGTH	CAN	TEAT LENGTH	-4.749	1.3760	
MSH	REAR ATTACHMENT HEIGHT	CAN	REAR UDDER HEIGHT	8.115	0.9558	
MSH	REAR TEAT PLACEMENT	CAN	REAR TEAT PLACEMENT	3.116	0.9595	
MSH	ANGULARITY	CAN	ANGULARITY	7.273	0.7340	

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Conversion Factors For Type. Source = INTERBULL MACE 2208
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 e r a g e	t c o r r e c t i o n
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MSH	FEET AND LEGS	DEU	OVERALL FEET & LEG	-26.058	0.3592
MSH	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-23.562	0.3349
MSH	STATURE	DEU	STATURE	-32.646	0.3868
MSH	CHEST WIDTH	DEU	CHEST WIDTH	-40.539	0.4499
MSH	BODY DEPTH	DEU	BODY DEPTH	-38.823	0.4131
MSH	PIN WIDTH	DEU	RUMP WIDTH	-50.524	0.5744
MSH	RUMP ANGLE	DEU	RUMP ANGLE	-57.178	0.5446
MSH	FOOT ANGLE	DEU	FOOT ANGLE	-33.612	0.4261
MSH	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-66.731	0.6175
MSH	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-43.262	0.5084
MSH	UDDER DEPTH	DEU	UDDER DEPTH	-28.607	0.3253
MSH	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-36.329	0.4072
MSH	FORE ATTACHMENT	DEU	FORE UDDER	-35.658	0.4308
MSH	TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-43.682	0.4738
MSH	TEAT LENGTH	DEU	TEAT LENGTH	-56.435	0.4978
MSH	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-30.858	0.3711
MSH	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-37.998	0.3855
MSH	ANGULARITY	DEU	ANGULARITY	-35.472	0.4271

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Conversion Factors For Type. Source = INTERBULL MACE 2208
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	-45.410	0.4720	0.5
9						
MSH	FEET AND LEGS	DFS	OVERALL FEET & LEG	-34.598	0.4122	
MSH	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-44.579	0.5382	

MSH	STATURE	DFS	STATURE	-56.314	0.5921
MSH	CHEST WIDTH	DFS	CHEST WIDTH	-37.996	0.4103
MSH	BODY DEPTH	DFS	BODY DEPTH	-37.322	0.3613
MSH	PIN WIDTH	DFS	RUMP WIDTH	-52.322	0.5609
MSH	RUMP ANGLE	DFS	RUMP ANGLE	-49.596	0.5072
MSH	FOOT ANGLE	DFS	FOOT ANGLE	-64.736	0.6842
MSH	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-60.506	0.6206
MSH	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-41.402	0.4622
MSH	UDDER DEPTH	DFS	UDDER DEPTH	-35.662	0.4012
MSH	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-34.765	0.3582
MSH	FORE ATTACHMENT	DFS	FORE UDDER	-38.870	0.4673
MSH	TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-47.294	0.5168
MSH	TEAT LENGTH	DFS	TEAT LENGTH	-70.074	0.6476
MSH	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-47.641	0.5122
MSH	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-44.202	0.4407
MSH	ANGULARITY	DFS	ANGULARITY	-58.178	0.6081

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Conversion Factors For Type. Source = INTERBULL MACE 2208
 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	6.918	3.7436	
MSH	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	10.720	3.6173	
MSH	STATURE	GBR	STATURE	1.719	4.0406	
MSH	CHEST WIDTH	GBR	CHEST WIDTH	4.678	3.2542	

MSH	BODY DEPTH	GBR	BODY DEPTH	2.559	2.6288
MSH	PIN WIDTH	GBR	RUMP WIDTH	4.271	4.1860
MSH	RUMP ANGLE	GBR	RUMP ANGLE	-1.118	3.2470
MSH	FOOT ANGLE	GBR	FOOT ANGLE	2.427	4.2410
MSH	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-2.176	3.3971
MSH	UDDER DEPTH	GBR	UDDER DEPTH	2.671	2.3439
MSH	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	4.680	2.8294
MSH	FORE ATTACHMENT	GBR	FORE UDDER	9.606	3.5568
MSH	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	6.250	4.1315
MSH	TEAT LENGTH	GBR	TEAT LENGTH	-4.929	4.8979
MSH	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	6.585	3.8665
MSH	ANGULARITY	GBR	ANGULARITY	3.497	4.2812

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Conversion Factors For Type. Source = INTERBULL MACE 2208
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=LVA

	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	STATURE	LVA	STATURE	-8.469	8.1996
MSH	CHEST WIDTH	LVA	CHEST WIDTH	-0.990	17.0792
MSH	BODY DEPTH	LVA	BODY DEPTH	-2.508	12.9646
MSH	PIN WIDTH	LVA	RUMP WIDTH	-3.989	15.2723
MSH	RUMP ANGLE	LVA	RUMP ANGLE	-9.565	12.2290
MSH	FOOT ANGLE	LVA	FOOT ANGLE	2.140	25.7159
MSH	REAR LEGS SIDE VIEW	LVA	REAR LEG SET	-13.071	20.7651
MSH	REAR LEG REAR VIEW	LVA	REAR LEG REAR VIEW	0.553	23.5386
MSH	UDDER DEPTH	LVA	UDDER DEPTH	-4.363	10.0324

MSH	MEDIAN SUSPENSORY	LVA	MEDIAN SUSPENSORY	-2.553	16.2300
MSH	FORE ATTACHMENT	LVA	FORE UDDER	-4.119	16.2281
MSH	TEAT PLACEMENT	LVA	FRONT TEAT PLACEMENT	-3.959	16.3718
MSH	TEAT LENGTH	LVA	TEAT LENGTH	-10.414	13.9997
MSH	REAR ATTACHMENT HEIGHT	LVA	REAR UDDER HEIGHT	-7.752	14.3595
MSH	REAR TEAT PLACEMENT	LVA	REAR TEAT PLACEMENT	-8.459	15.1195
MSH	ANGULARITY	LVA	ANGULARITY	-8.585	20.8032

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Conversion Factors For Type. Source = INTERBULL MACE 2208
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	-147.576	1.6663	0.6
MSH	FEET AND LEGS	NLD	OVERALL FEET & LEG	-72.372	0.8186	
MSH	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-124.432	1.4492	
MSH	STATURE	NLD	STATURE	-92.403	1.0742	
MSH	CHEST WIDTH	NLD	CHEST WIDTH	-104.419	1.1635	
MSH	BODY DEPTH	NLD	BODY DEPTH	-85.406	0.9799	
MSH	PIN WIDTH	NLD	RUMP WIDTH	-83.602	0.9505	
MSH	RUMP ANGLE	NLD	RUMP ANGLE	-87.598	0.8791	
MSH	FOOT ANGLE	NLD	FOOT ANGLE	-120.165	1.3010	
MSH	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-113.575	1.0766	
MSH	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-97.139	1.0456	
MSH	UDDER DEPTH	NLD	UDDER DEPTH	-93.910	1.0249	
MSH	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-99.603	1.0679	

MSH	FORE ATTACHMENT	NLD	FORE UDDER	-120.979	1.3472
MSH	TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-123.133	1.3390
MSH	TEAT LENGTH	NLD	TEAT LENGTH	-133.349	1.3126
MSH	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-106.193	1.2336
MSH	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-102.265	1.0837
MSH	ANGULARITY	NLD	ANGULARITY	-95.088	1.1429

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Conversion Factors For Type. Source = INTERBULL MACE 2208
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	t	r		l	l
e	a	r	a		u	u
e	i	y	i		e	e
d	t	2	t			2
MSH	CONFORMATION	NOR	CONFORMATION	-29.911	0.3051	0.5
6						
MSH	FEET AND LEGS	NOR	OVERALL FEET & LEG	-38.315	0.3973	
MSH	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-39.574	0.4034	
MSH	STATURE	NOR	STATURE	-39.701	0.3802	
MSH	CHEST WIDTH	NOR	CHEST WIDTH	-30.665	0.3754	
MSH	BODY DEPTH	NOR	BODY DEPTH	-28.811	0.2778	
MSH	PIN WIDTH	NOR	RUMP WIDTH	-36.206	0.4277	
MSH	RUMP ANGLE	NOR	RUMP ANGLE	-39.677	0.4190	
MSH	FOOT ANGLE	NOR	FOOT ANGLE	-44.972	0.4713	
MSH	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-45.202	0.4614	
MSH	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-35.712	0.3768	
MSH	UDDER DEPTH	NOR	UDDER DEPTH	-31.467	0.2996	
MSH	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-42.182	0.3996	
MSH	FORE ATTACHMENT	NOR	FORE UDDER	-41.836	0.4460	
MSH	TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-43.802	0.4363	

MSH	TEAT LENGTH	NOR	TEAT LENGTH	-60.513	0.5389
MSH	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-43.988	0.4141
MSH	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	-39.745	0.4033
MSH	ANGULARITY	NOR	ANGULARITY	-40.166	0.3643

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Conversion Factors For Type. Source = INTERBULL MACE 2208
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	1.155	16.8218	0.5
2						
MSH	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	0.359	15.9740	
MSH	STATURE	NZL	STATURE	-6.430	10.5390	
MSH	CHEST WIDTH	NZL	CHEST WIDTH	3.627	15.6333	
MSH	BODY DEPTH	NZL	BODY DEPTH	1.428	11.5115	
MSH	PIN WIDTH	NZL	RUMP WIDTH	-0.329	18.1186	
MSH	RUMP ANGLE	NZL	RUMP ANGLE	-4.191	17.6027	
MSH	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	2.048	46.3154	
MSH	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-0.597	14.6029	
MSH	FORE ATTACHMENT	NZL	FORE UDDER	1.029	14.3126	
MSH	TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-2.645	25.1535	
MSH	TEAT LENGTH	NZL	TEAT LENGTH	3.455	18.5405	
MSH	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	0.855	16.2927	
MSH	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-3.091	17.5894	

Conversion Factors For Type. Source = INTERBULL MACE 2208
 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	8.059	8.7513	0.6
2						
MSH	FEET AND LEGS	USA	OVERALL FEET & LEG	6.285	4.0710	
MSH	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	10.412	5.6171	
MSH	STATURE	USA	STATURE	4.450	2.1658	
MSH	CHEST WIDTH	USA	CHEST WIDTH	3.361	4.1812	
MSH	BODY DEPTH	USA	BODY DEPTH	3.056	3.1979	
MSH	PIN WIDTH	USA	RUMP WIDTH	5.631	4.1052	
MSH	RUMP ANGLE	USA	RUMP ANGLE	-1.105	3.0419	
MSH	FOOT ANGLE	USA	FOOT ANGLE	3.009	5.9640	
MSH	REAR LEGS SIDE VIEW	USA	REAR LEG SET	-3.154	6.1471	
MSH	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	4.224	-5.5183	
MSH	UDDER DEPTH	USA	UDDER DEPTH	3.184	3.2365	
MSH	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	3.001	4.0665	
MSH	FORE ATTACHMENT	USA	FORE UDDER	8.814	3.5733	
MSH	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	3.880	4.2958	
MSH	TEAT LENGTH	USA	TEAT LENGTH	-3.512	4.1489	
MSH	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	7.869	3.8115	
MSH	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	3.220	3.9931	
MSH	ANGULARITY	USA	ANGULARITY	7.971	4.7883	

 CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2022

BREED	BMILK	BFAT	BPRT
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AYS	8023	334	275
BSW	8527	363	305
CN	5948	258	218
GUE	6854	315	242
JER	7070	365	275
HOL	10837	431	355
MS	7478	286	248

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% = $200 * [(431 + 50 * 0.5) / (10837 + 1000 * 0.5) - (431 / 11E3)]$
 = $200 * [(431 + 25) / (10837 + 500) - (0.03977)]$
 = $200 * [0.04022 - 0.03977]$
 = $200 * 0.00045$
 = 0.09

EBVPROT% = $200 * [(355 + 40 * 0.5) / (10837 + 1000 * 0.5) - (355 / 11E3)]$
 = $200 * [(355 + 20) / (10837 + 500) - (0.03276)]$
 = $200 * [0.03308 - 0.03276]$
 = $200 * 0.00032$
 = 0.06