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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
AYS	AUS	-284.90	1.1350	-3.400	1.3330	-5.400	1.3120	0.4225
AYS	CAM	-482.93	1.1205	-27.782	0.8790	-15.730	1.3537	0.6889
AYS	DEU	545.20	0.8010	36.600	0.8430	26.600	0.8230	0.8281
AYS	DFS	-4336.00	52.4120	-158.700	2.0420	-110.200	1.5440	0.7921
AYS	EST	599.40	1.0410	24.500	1.0710	25.400	1.0020	0.6889
AYS	GBR	-412.30	1.9660	-18.700	2.4500	-12.100	2.3680	0.6724
AYS	IRL	538.71	2.7819	18.188	2.5369	22.217	2.4936	0.5625
AYS	LTU	-647.20	1.5760	-12.100	1.2230	-11.800	1.5300	0.4900
AYS	LVA	372.60	1.6790	16.500	1.7060	16.800	1.7980	0.5625
AYS	NLD	1427.10	0.6792	57.343	0.7339	52.202	0.5898	0.7569
AYS	NOR	-3363.40	41.2840	-138.700	1.6820	-93.700	1.2810	0.7056
AYS	NZL	-192.20	1.2000	17.600	1.2360	7.300	1.2110	0.3249
AYS	USA	-244.00	0.8230	-15.800	0.8650	-9.200	0.8490	0.7921
AYS	ZAF	-133.52	0.8151	-5.613	0.9475	-1.866	0.8683	0.6084

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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
AYS	AUS	94.700	-17.2630	0.6724
AYS	CAM	15.131	0.8094	0.8100
AYS	DEU	61.100	0.3720	0.8836
AYS	DFS	59.500	0.4100	0.8836
AYS	EST	72.600	0.2650	0.7921
AYS	GBR	99.000	-0.4780	0.8649
AYS	LTU	96.700	-12.4340	0.7396
AYS	LVA	95.600	-11.1400	0.7569
AYS	NLD	-20.852	1.2193	0.8281
AYS	NOR	64.500	0.3470	0.7921
AYS	NZL	94.400	-10.8590	0.6241
AYS	USA	170.800	-23.9870	0.8464
AYS	ZAF	99.796	-0.1920	0.7225

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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

AYS	CONFORMATION	AUS	CONFORMATION	-5.853	2.6506	0.3
AYS	FEET AND LEGS	AUS	OVERALL FEET & LEG	-3.881	2.8468	
AYS	MAMMARY SYSTEM	AUS	OVERALL UDDER SCORE	-6.382	2.6236	
AYS	STATURE	AUS	STATURE	-4.694	8.5756	
AYS	CHEST WIDTH	AUS	CHEST WIDTH	1.532	13.1960	
AYS	BODY DEPTH	AUS	BODY DEPTH	-1.431	9.8103	
AYS	PIN WIDTH	AUS	RUMP WIDTH	-2.590	10.9333	
AYS	RUMP ANGLE	AUS	RUMP ANGLE	-2.013	12.9544	
AYS	FOOT ANGLE	AUS	FOOT ANGLE	-2.037	14.2793	
AYS	REAR LEGS SIDE VIEW	AUS	REAR LEG SET	3.562	19.7351	
AYS	REAR LEG REAR VIEW	AUS	REAR LEG REAR VIEW	-3.521	20.6491	
AYS	UDDER DEPTH	AUS	UDDER DEPTH	-5.294	9.0905	
AYS	MEDIAN SUSPENSORY	AUS	MEDIAN SUSPENSORY	-3.988	12.1154	
AYS	FORE ATTACHMENT	AUS	FORE UDDER	-4.675	11.2375	
AYS	TEAT PLACEMENT	AUS	FRONT TEAT PLACEMENT	-1.185	9.5966	
AYS	TEAT LENGTH	AUS	TEAT LENGTH	1.206	8.5805	
AYS	REAR ATTACHMENT HEIGHT	AUS	REAR UDDER HEIGHT	-8.446	9.7507	
AYS	REAR TEAT PLACEMENT	AUS	REAR TEAT PLACEMENT	-2.231	14.3115	
AYS	ANGULARITY	AUS	ANGULARITY	-7.429	9.3816	

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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=CAM

	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	
AYS	CONFORMATION		CAM	CONFORMATION	-8.432	0.5961	0.6
1							
AYS	FEET AND LEGS		CAM	OVERALL FEET & LEG	-5.576	0.4728	
AYS	MAMMARY SYSTEM		CAM	OVERALL UDDER SCORE	-9.587	0.7011	
AYS	STATURE		CAM	STATURE	-5.073	1.0206	
AYS	CHEST WIDTH		CAM	CHEST WIDTH	-1.528	0.8680	
AYS	BODY DEPTH		CAM	BODY DEPTH	-3.005	1.0382	
AYS	PIN WIDTH		CAM	RUMP WIDTH	-3.880	0.7886	
AYS	RUMP ANGLE		CAM	RUMP ANGLE	-0.371	1.0185	
AYS	FOOT ANGLE		CAM	FOOT ANGLE	-3.594	0.6529	
AYS	REAR LEGS SIDE VIEW		CAM	REAR LEG SET	3.939	0.7969	
AYS	REAR LEG REAR VIEW		CAM	REAR LEG REAR VIEW	-5.947	0.6934	
AYS	UDDER DEPTH		CAM	UDDER DEPTH	-4.313	1.1560	
AYS	MEDIAN SUSPENSORY		CAM	MEDIAN SUSPENSORY	-5.672	0.7300	
AYS	FORE ATTACHMENT		CAM	FORE UDDER	-7.458	0.6870	
AYS	TEAT PLACEMENT		CAM	FRONT TEAT PLACEMENT	-3.728	0.7353	
AYS	TEAT LENGTH		CAM	TEAT LENGTH	2.615	0.6283	
AYS	REAR ATTACHMENT HEIGHT		CAM	REAR UDDER HEIGHT	-9.282	0.7729	
AYS	REAR TEAT PLACEMENT		CAM	REAR TEAT PLACEMENT	-3.668	0.9032	
AYS	ANGULARITY		CAM	ANGULARITY	-8.810	0.7315	

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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 b l u e	b v a l u e	t c o r r e c t e d
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AYS	FEET AND LEGS	DEU	OVERALL FEET & LEG	-22.776	0.2234
AYS	MAMMARY SYSTEM	DEU	OVERALL UDDER SCORE	-30.510	0.2865
AYS	STATURE	DEU	STATURE	-42.912	0.4436
AYS	CHEST WIDTH	DEU	CHEST WIDTH	-50.944	0.5296
AYS	BODY DEPTH	DEU	BODY DEPTH	-52.180	0.5221
AYS	PIN WIDTH	DEU	RUMP WIDTH	-54.137	0.5656
AYS	RUMP ANGLE	DEU	RUMP ANGLE	-67.789	0.6424
AYS	FOOT ANGLE	DEU	FOOT ANGLE	-33.597	0.3656
AYS	REAR LEGS SIDE VIEW	DEU	REAR LEG SET	-64.450	0.6308
AYS	REAR LEG REAR VIEW	DEU	REAR LEG REAR VIEW	-52.233	0.5428
AYS	UDDER DEPTH	DEU	UDDER DEPTH	-43.007	0.4322
AYS	MEDIAN SUSPENSORY	DEU	MEDIAN SUSPENSORY	-42.371	0.4132
AYS	FORE ATTACHMENT	DEU	FORE UDDER	-44.560	0.4264
AYS	FRONT TEAT PLACEMENT	DEU	FRONT TEAT PLACEMENT	-42.356	0.4126
AYS	TEAT LENGTH	DEU	TEAT LENGTH	-36.205	0.3469
AYS	REAR ATTACHMENT HEIGHT	DEU	REAR UDDER HEIGHT	-37.626	0.3368
AYS	REAR TEAT PLACEMENT	DEU	REAR TEAT PLACEMENT	-44.552	0.4165
AYS	ANGULARITY	DEU	ANGULARITY	-42.609	0.4013

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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		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			
AYS	CONFORMATION	DFS	OVERALL CONFORMATION	-36.700	0.2959	0.4
AYS	FEET AND LEGS	DFS	OVERALL FEET & LEG	-28.958	0.2702	
AYS	MAMMARY SYSTEM	DFS	OVERALL UDDER SCORE	-45.818	0.4310	

AYS	STATURE	DFS	STATURE	-70.768	0.6909
AYS	CHEST WIDTH	DFS	CHEST WIDTH	-43.683	0.4455
AYS	BODY DEPTH	DFS	BODY DEPTH	-47.906	0.4365
AYS	PIN WIDTH	DFS	RUMP WIDTH	-52.448	0.5169
AYS	RUMP ANGLE	DFS	RUMP ANGLE	-56.210	0.5699
AYS	FOOT ANGLE	DFS	FOOT ANGLE	-51.660	0.5083
AYS	REAR LEGS SIDE VIEW	DFS	REAR LEG SET	-62.123	0.6686
AYS	REAR LEG REAR VIEW	DFS	REAR LEG REAR VIEW	-52.245	0.5061
AYS	UDDER DEPTH	DFS	UDDER DEPTH	-49.256	0.5034
AYS	MEDIAN SUSPENSORY	DFS	MEDIAN SUSPENSORY	-36.156	0.3175
AYS	FORE ATTACHMENT	DFS	FORE UDDER	-41.551	0.3973
AYS	FRONT TEAT PLACEMENT	DFS	FRONT TEAT PLACEMENT	-44.346	0.4421
AYS	TEAT LENGTH	DFS	TEAT LENGTH	-43.162	0.4273
AYS	REAR ATTACHMENT HEIGHT	DFS	REAR UDDER HEIGHT	-53.228	0.4777
AYS	REAR TEAT PLACEMENT	DFS	REAR TEAT PLACEMENT	-48.066	0.4542
AYS	ANGULARITY	DFS	ANGULARITY	-64.964	0.5814

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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
AYS	FEET AND LEGS	GBR	OVERALL FEET & LEG	-1.775	2.6903	
AYS	MAMMARY SYSTEM	GBR	OVERALL UDDER SCORE	-1.078	2.9151	
AYS	STATURE	GBR	STATURE	-2.962	4.5787	
AYS	CHEST WIDTH	GBR	CHEST WIDTH	1.813	4.0002	

AYS	BODY DEPTH	GBR	BODY DEPTH	-0.064	3.3228
AYS	PIN WIDTH	GBR	RUMP WIDTH	-1.123	3.9696
AYS	RUMP ANGLE	GBR	RUMP ANGLE	-1.727	3.7883
AYS	FOOT ANGLE	GBR	FOOT ANGLE	-1.874	3.2050
AYS	REAR LEGS SIDE VIEW	GBR	REAR LEG SET	-0.212	3.3450
AYS	UDDER DEPTH	GBR	UDDER DEPTH	-0.490	2.9988
AYS	MEDIAN SUSPENSORY	GBR	MEDIAN SUSPENSORY	-1.844	2.6691
AYS	FORE ATTACHMENT	GBR	FORE UDDER	-0.012	3.3169
AYS	TEAT PLACEMENT	GBR	FRONT TEAT PLACEMENT	1.874	3.4920
AYS	TEAT LENGTH	GBR	TEAT LENGTH	-0.616	3.3314
AYS	REAR ATTACHMENT HEIGHT	GBR	REAR UDDER HEIGHT	-2.720	3.5766
AYS	ANGULARITY	GBR	ANGULARITY	-6.010	4.6949

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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			
						t
AYS	STATURE	LVA	STATURE	-13.425	8.7994	
AYS	CHEST WIDTH	LVA	CHEST WIDTH	-3.791	17.8817	
AYS	BODY DEPTH	LVA	BODY DEPTH	-5.741	14.4808	
AYS	PIN WIDTH	LVA	RUMP WIDTH	-7.196	13.3131	
AYS	RUMP ANGLE	LVA	RUMP ANGLE	-10.952	13.3109	
AYS	FOOT ANGLE	LVA	FOOT ANGLE	-1.749	17.1705	
AYS	REAR LEGS SIDE VIEW	LVA	REAR LEG SET	-8.410	18.5709	
AYS	REAR LEG REAR VIEW	LVA	REAR LEG REAR VIEW	-5.277	21.3721	
AYS	UDDER DEPTH	LVA	UDDER DEPTH	-9.346	11.9041	

AYS	MEDIAN SUSPENSORY	LVA	MEDIAN SUSPENSORY	-7.405	13.1219
AYS	FORE ATTACHMENT	LVA	FORE UDDER	-11.426	13.2345
AYS	TEAT PLACEMENT	LVA	FRONT TEAT PLACEMENT	-6.802	12.9758
AYS	TEAT LENGTH	LVA	TEAT LENGTH	-3.675	9.2317
AYS	REAR ATTACHMENT HEIGHT	LVA	REAR UDDER HEIGHT	-15.592	11.8882
AYS	REAR TEAT PLACEMENT	LVA	REAR TEAT PLACEMENT	-11.972	15.5503
AYS	ANGULARITY	LVA	ANGULARITY	-15.778	16.3273

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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
AYS	CONFORMATION	NLD	CONFORMATION	-113.732	1.1848	0.5
3						
AYS	FEET AND LEGS	NLD	OVERALL FEET & LEG	-47.650	0.4734	
AYS	MAMMARY SYSTEM	NLD	OVERALL UDDER SCORE	-113.029	1.1959	
AYS	STATURE	NLD	STATURE	-114.334	1.2725	
AYS	CHEST WIDTH	NLD	CHEST WIDTH	-134.913	1.4669	
AYS	BODY DEPTH	NLD	BODY DEPTH	-106.938	1.1951	
AYS	PIN WIDTH	NLD	RUMP WIDTH	-83.919	0.9059	
AYS	RUMP ANGLE	NLD	RUMP ANGLE	-98.588	0.9827	
AYS	FOOT ANGLE	NLD	FOOT ANGLE	-95.461	0.9915	
AYS	REAR LEGS SIDE VIEW	NLD	REAR LEG SET	-118.190	1.1498	
AYS	REAR LEG REAR VIEW	NLD	REAR LEG REAR VIEW	-118.972	1.2117	
AYS	UDDER DEPTH	NLD	UDDER DEPTH	-120.806	1.2713	
AYS	MEDIAN SUSPENSORY	NLD	MEDIAN SUSPENSORY	-100.154	1.0167	

AYS	FORE ATTACHMENT	NLD	FORE UDDER	-120.391	1.2409
AYS	TEAT PLACEMENT	NLD	FRONT TEAT PLACEMENT	-110.151	1.1578
AYS	TEAT LENGTH	NLD	TEAT LENGTH	-85.784	0.8760
AYS	REAR ATTACHMENT HEIGHT	NLD	REAR UDDER HEIGHT	-97.476	1.0301
AYS	REAR TEAT PLACEMENT	NLD	REAR TEAT PLACEMENT	-108.516	1.1206
AYS	ANGULARITY	NLD	ANGULARITY	-106.202	1.1646

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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	t
b	n	u	r	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	NOR	OVERALL CONFORMATION	-39.110	0.2998	0.5
AYS	FEET AND LEGS	NOR	OVERALL FEET & LEG	-28.371	0.2311	
AYS	MAMMARY SYSTEM	NOR	OVERALL UDDER SCORE	-42.422	0.3267	
AYS	STATURE	NOR	STATURE	-49.547	0.4279	
AYS	CHEST WIDTH	NOR	CHEST WIDTH	-35.481	0.4077	
AYS	BODY DEPTH	NOR	BODY DEPTH	-37.583	0.3337	
AYS	PIN WIDTH	NOR	RUMP WIDTH	-36.196	0.3774	
AYS	RUMP ANGLE	NOR	RUMP ANGLE	-44.990	0.4663	
AYS	FOOT ANGLE	NOR	FOOT ANGLE	-38.558	0.3604	
AYS	REAR LEGS SIDE VIEW	NOR	REAR LEG SET	-42.153	0.4691	
AYS	REAR LEG REAR VIEW	NOR	REAR LEG REAR VIEW	-42.147	0.3833	
AYS	UDDER DEPTH	NOR	UDDER DEPTH	-42.338	0.3584	
AYS	MEDIAN SUSPENSORY	NOR	MEDIAN SUSPENSORY	-41.155	0.3359	
AYS	FORE ATTACHMENT	NOR	FORE UDDER	-45.914	0.3895	
AYS	FRONT TEAT PLACEMENT	NOR	FRONT TEAT PLACEMENT	-40.384	0.3605	

AYS	TEAT LENGTH	NOR	TEAT LENGTH	-36.584	0.3548
AYS	REAR ATTACHMENT HEIGHT	NOR	REAR UDDER HEIGHT	-50.567	0.3906
AYS	REAR TEAT PLACEMENT	NOR	REAR TEAT PLACEMENT	-40.955	0.3817
AYS	ANGULARITY	NOR	ANGULARITY	-46.552	0.3319

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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
AYS	CONFORMATION	NZL	OVERALL CONFORMATION	-8.364	10.0805	0.3
2						
AYS	MAMMARY SYSTEM	NZL	OVERALL UDDER SCORE	-9.816	12.5147	
AYS	STATURE	NZL	STATURE	-12.545	11.2543	
AYS	CHEST WIDTH	NZL	CHEST WIDTH	1.265	12.5336	
AYS	BODY DEPTH	NZL	BODY DEPTH	-1.054	10.9683	
AYS	PIN WIDTH	NZL	RUMP WIDTH	-4.979	16.1268	
AYS	RUMP ANGLE	NZL	RUMP ANGLE	-5.139	19.0043	
AYS	REAR LEGS SIDE VIEW	NZL	REAR LEG SET	5.118	36.6406	
AYS	MEDIAN SUSPENSORY	NZL	MEDIAN SUSPENSORY	-6.510	11.3330	
AYS	FORE ATTACHMENT	NZL	FORE UDDER	-7.968	12.4761	
AYS	FRONT TEAT PLACEMENT	NZL	FRONT TEAT PLACEMENT	-6.129	20.9030	
AYS	TEAT LENGTH	NZL	TEAT LENGTH	5.341	10.7916	
AYS	REAR ATTACHMENT HEIGHT	NZL	REAR UDDER HEIGHT	-8.795	14.0759	
AYS	REAR TEAT PLACEMENT	NZL	REAR TEAT PLACEMENT	-6.596	17.5103	

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

country2=USA

	c a n t r e e d	c o u n t r y	f o r e i g n	a d j u s t e d	b v a l u e	t c o r r e c t e d	2
AYS	CONFORMATION	USA	CONFORMATION	-2.359	6.6406	0.6	
AYS	FEET AND LEGS	USA	OVERALL FEET & LEG	-2.246	2.2105		
AYS	MAMMARY SYSTEM	USA	OVERALL UDDER SCORE	-0.967	4.7550		
AYS	STATURE	USA	STATURE	0.483	2.5681		
AYS	CHEST WIDTH	USA	CHEST WIDTH	1.254	4.8300		
AYS	BODY DEPTH	USA	BODY DEPTH	0.466	3.5287		
AYS	PIN WIDTH	USA	RUMP WIDTH	0.872	3.7836		
AYS	RUMP ANGLE	USA	RUMP ANGLE	-1.965	3.5047		
AYS	FOOT ANGLE	USA	FOOT ANGLE	-1.403	5.1490		
AYS	REAR LEGS SIDE VIEW	USA	REAR LEG SET	-0.181	6.6525		
AYS	REAR LEG REAR VIEW	USA	REAR LEG REAR VIEW	-1.939	-5.2344		
AYS	UDDER DEPTH	USA	UDDER DEPTH	-0.015	4.0508		
AYS	MEDIAN SUSPENSORY	USA	MEDIAN SUSPENSORY	-2.669	3.7661		
AYS	FORE ATTACHMENT	USA	FORE UDDER	-0.385	3.4485		
AYS	TEAT PLACEMENT	USA	FRONT TEAT PLACEMENT	-0.463	3.5571		
AYS	TEAT LENGTH	USA	TEAT LENGTH	0.804	2.7956		
AYS	REAR ATTACHMENT HEIGHT	USA	REAR UDDER HEIGHT	-1.247	3.5547		
AYS	REAR TEAT PLACEMENT	USA	REAR TEAT PLACEMENT	0.124	3.9520		
AYS	ANGULARITY	USA	ANGULARITY	-1.202	4.8456		

 CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2021

BREED BMILK BFAT BPRT

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