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 Conversion Factors For Production Traits. Source: INTERBULL 1708
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = PCORR2*Foreign Reliability

| breed | country2 | amilk | bmilk | afat | bfat | aprot | bprot | pcorr2 |
|-------|----------|----------|---------|----------|--------|----------|--------|--------|
| BSW | AUS | -20.59 | 1.1667 | 1.382 | 1.2463 | 1.017 | 1.3156 | 0.4900 |
| BSW | CHE | -209.80 | 1.1200 | -7.300 | 1.1540 | -5.200 | 1.2290 | 0.7396 |
| BSW | DEA | 91.90 | 1.2010 | 7.700 | 1.3470 | 8.500 | 1.3930 | 0.7569 |
| BSW | FRA | 74.00 | 0.8650 | 4.100 | 0.8650 | 4.500 | 0.9170 | 0.7056 |
| BSW | GBR | -130.09 | 2.0934 | -4.098 | 2.5674 | -2.663 | 2.5772 | 0.7056 |
| BSW | ITA | -133.70 | 0.9050 | -1.300 | 1.0460 | 0.600 | 0.8990 | 0.7225 |
| BSW | NLD | 1121.55 | 0.9070 | 34.465 | 0.9048 | 36.491 | 0.9670 | 0.7396 |
| BSW | NZL | 296.28 | 1.2571 | 37.228 | 1.2435 | 20.108 | 1.5131 | 0.4900 |
| BSW | SVN | -6969.50 | 60.0140 | -283.200 | 2.4470 | -254.600 | 2.2050 | 0.6889 |
| BSW | USA | -29.70 | 0.9380 | -1.900 | 1.0180 | -1.800 | 1.1100 | 0.8100 |

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 Conversion Factors For SCS Traits. Source: INTERBULL 1708
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = SCORR2*Foreign Reliability

| breed | country2 | a | b | scorr2 |
|-------|----------|--------|---------|--------|
| BSW | CHE | 5.100 | -0.0210 | 0.8464 |
| BSW | DEA | 4.800 | -0.0180 | 0.8649 |
| BSW | FRA | 2.900 | -0.2240 | 0.8836 |
| BSW | GBR | 2.975 | 0.0173 | 0.8649 |
| BSW | ITA | 4.200 | -0.0120 | 0.8100 |
| BSW | NLD | -2.805 | 0.0569 | 0.8100 |
| BSW | NZL | 3.165 | 0.5626 | 0.7569 |
| BSW | SVN | 5.200 | -0.0210 | 0.7921 |
| BSW | USA | -0.100 | 1.0580 | 0.8464 |

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 Conversion Factors For Type. Source = INTERBULL MACE 1708
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CHE

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| d | t | 2 | t | | | | |
| BSW CONFORMATION | | CHE FINAL SCORE | | | -80.139 | 0.7921 | 0.76 |
| BSW DAIRY STRENGTH | | CHE OVERALL FRAME | | | -53.126 | 0.5142 | |

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| BSW RUMP | CHE OVERALL RUMP | -33.784 | 0.3463 |
| BSW FEET AND LEGS | CHE OVERALL FEET & LEG | -58.064 | 0.5730 |
| BSW MAMMARY SYSTEM | CHE OVERALL UDDER SCORE | -55.014 | 0.5505 |
| BSW STATURE | CHE STATURE | -53.742 | 0.5141 |
| BSW THURL PLACEMENT | CHE THURL PLACEMENT | -59.276 | 0.6006 |
| BSW CHEST WIDTH | CHE CHEST WIDTH | -77.143 | 0.7972 |
| BSW BODY DEPTH | CHE BODY DEPTH | -56.265 | 0.5543 |
| BSW LOIN STRENGTH | CHE TOP LINE | -53.932 | 0.5626 |
| BSW PIN WIDTH | CHE RUMP WIDTH | -56.218 | 0.5849 |
| BSW RUMP ANGLE | CHE RUMP ANGLE | -52.066 | 0.5290 |
| BSW BONE QUALITY | CHE HOCK QUALITY | -59.410 | 0.5694 |
| BSW FOOT ANGLE | CHE FOOT ANGLE | -38.713 | 0.3806 |
| BSW HEEL DEPTH | CHE HEEL DEPTH | -56.715 | 0.5733 |
| BSW REAR LEGS SIDE VIEW | CHE REAR LEG SET | -47.723 | 0.4834 |
| BSW UDDER DEPTH | CHE UDDER DEPTH | -51.218 | 0.5125 |
| BSW MEDIAN SUSPENSORY | CHE MEDIAN SUSPENSORY | -65.425 | 0.6380 |
| BSW FORE ATTACHMENT | CHE FORE UDDER | -52.198 | 0.5199 |
| BSW FRONT TEAT PLACEMENT | CHE FRONT TEAT PLACEMENT | -49.847 | 0.4948 |
| BSW TEAT LENGTH | CHE TEAT LENGTH | -40.548 | 0.3808 |
| BSW REAR ATTACHMENT HEIGHT | CHE REAR UDDER HEIGHT | -58.431 | 0.5750 |
| BSW REAR ATTACHMENT WIDTH | CHE REAR UDDER WIDTH | -64.044 | 0.6306 |
| BSW REAR TEAT PLACEMENT | CHE REAR TEAT PLACEMENT | -46.674 | 0.4645 |
| BSW ANGULARITY | CHE ANGULARITY | 56.278 | -0.6235 |

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Conversion Factors For Type. Source = INTERBULL MACE 1708
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DEA

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| d | t | 2 | t | e | e | 2 |
| BSW CONFORMATION | DEA CONFORMATION | -62.503 | 0.5777 | 0.62 | | |
| BSW DAIRY STRENGTH | DEA OVERALL FRAME | -63.684 | 0.5855 | | | |
| BSW RUMP | DEA OVERALL RUMP | -39.164 | 0.3805 | | | |
| BSW FEET AND LEGS | DEA OVERALL FEET & LEG | -39.023 | 0.3713 | | | |
| BSW MAMMARY SYSTEM | DEA OVERALL UDDER SCORE | -60.722 | 0.5707 | | | |
| BSW STATURE | DEA STATURE | -60.788 | 0.5601 | | | |
| BSW THURL PLACEMENT | DEA THURL PLACEMENT | -40.841 | 0.4320 | | | |
| BSW CHEST WIDTH | DEA CHEST WIDTH | -60.975 | 0.6098 | | | |
| BSW BODY DEPTH | DEA BODY DEPTH | -52.627 | 0.5088 | | | |
| BSW LOIN STRENGTH | DEA TOP LINE | -58.624 | 0.5815 | | | |
| BSW PIN WIDTH | DEA RUMP WIDTH | -51.747 | 0.5176 | | | |
| BSW RUMP ANGLE | DEA RUMP ANGLE | -48.283 | 0.4966 | | | |
| BSW BONE QUALITY | DEA HOCK QUALITY | -54.390 | 0.5280 | | | |
| BSW FOOT ANGLE | DEA FOOT ANGLE | -50.048 | 0.4824 | | | |
| BSW HEEL DEPTH | DEA HEEL DEPTH | -53.996 | 0.5318 | | | |
| BSW REAR LEGS SIDE VIEW | DEA REAR LEG SET | -52.382 | 0.5254 | | | |
| BSW UDDER DEPTH | DEA UDDER DEPTH | -51.324 | 0.4914 | | | |
| BSW MEDIAN SUSPENSORY | DEA MEDIAN SUSPENSORY | -67.673 | 0.6413 | | | |

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| BSW FORE ATTACHMENT | DEA FORE UDDER | -53.383 | 0.5212 |
| BSW FRONT TEAT PLACEMENT | DEA FRONT TEAT PLACEMENT | -63.414 | 0.6010 |
| BSW TEAT LENGTH | DEA TEAT LENGTH | -47.696 | 0.4711 |
| BSW REAR ATTACHMENT HEIGHT | DEA REAR UDDER HEIGHT | -48.345 | 0.4380 |
| BSW REAR ATTACHMENT WIDTH | DEA REAR UDDER WIDTH | -56.318 | 0.5292 |
| BSW REAR TEAT PLACEMENT | DEA REAR TEAT PLACEMENT | -61.799 | 0.5808 |

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Conversion Factors For Type. Source = INTERBULL MACE 1708
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=FRA

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| BSW CONFORMATION | FRA OVERALL SCORE | -2.507 | 6.5554 | 0.69 | | |
| BSW DAIRY STRENGTH | FRA OVERALL FRAME | -2.940 | 7.3254 | | | |
| BSW RUMP | FRA OVERALL RUMP | -0.291 | 6.1030 | | | |
| BSW FEET AND LEGS | FRA OVERALL FEET & LEG | -1.381 | 3.2346 | | | |
| BSW MAMMARY SYSTEM | FRA OVERALL UDDER SCORE | -2.132 | 6.9092 | | | |
| BSW STATURE | FRA STATURE | -2.942 | 7.1362 | | | |
| BSW THURL PLACEMENT | FRA THURL PLACEMENT | 1.526 | 6.7289 | | | |
| BSW CHEST WIDTH | FRA CHEST DEPTH | -0.516 | 7.8454 | | | |
| BSW BODY DEPTH | FRA BODY DEPTH | -1.113 | 5.7315 | | | |
| BSW LOIN STRENGTH | FRA TOP LINE | -0.774 | 5.5385 | | | |
| BSW PIN WIDTH | FRA RUMP WIDTH | -0.937 | 6.4805 | | | |
| BSW RUMP ANGLE | FRA RUMP ANGLE | 1.925 | 6.3510 | | | |
| BSW BONE QUALITY | FRA HOCK QUALITY | -2.398 | 5.9735 | | | |
| BSW FOOT ANGLE | FRA HEEL DEPTH | -0.549 | 5.9166 | | | |
| BSW HEEL DEPTH | FRA HEEL DEPTH | -0.428 | 6.0994 | | | |
| BSW REAR LEGS SIDE VIEW | FRA REAR LEG SET | -1.181 | 6.4831 | | | |
| BSW UDDER DEPTH | FRA UDDER DEPTH | -2.034 | 5.9536 | | | |
| BSW MEDIAN SUSPENSORY | FRA MEDIAN SUSPENSORY | -0.128 | 7.8227 | | | |
| BSW FORE ATTACHMENT | FRA FORE UDDER | -2.229 | 6.4727 | | | |
| BSW FRONT TEAT PLACEMENT | FRA FRONT TEAT PLACEMENT | -2.542 | 7.2279 | | | |
| BSW TEAT LENGTH | FRA TEAT LENGTH | 0.709 | 6.0289 | | | |
| BSW REAR ATTACHMENT HEIGHT | FRA REAR UDDER HEIGHT | -1.498 | 6.7070 | | | |
| BSW REAR ATTACHMENT WIDTH | FRA REAR UDDER WIDTH | -1.569 | 7.5207 | | | |
| BSW REAR TEAT PLACEMENT | FRA REAR TEAT PLACEMENT | -1.019 | 7.0873 | | | |
| BSW ANGULARITY | FRA ANGULARITY | -3.968 | 8.0404 | | | |

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Conversion Factors For Type. Source = INTERBULL MACE 1708
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

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| BSW FEET AND LEGS | GBR OVERALL FEET & LEG | -0.413 | 3.4269 |
| BSW MAMMARY SYSTEM | GBR OVERALL UDDER SCORE | -1.129 | 4.5245 |
| BSW STATURE | GBR STATURE | -3.139 | 7.6339 |
| BSW CHEST WIDTH | GBR CHEST WIDTH | -0.809 | 5.5350 |
| BSW BODY DEPTH | GBR BODY DEPTH | 0.137 | 4.1852 |
| BSW PIN WIDTH | GBR RUMP WIDTH | -0.431 | 5.2647 |
| BSW RUMP ANGLE | GBR RUMP ANGLE | 0.922 | 2.9965 |
| BSW FOOT ANGLE | GBR FOOT ANGLE | 0.857 | 6.5710 |
| BSW REAR LEGS SIDE VIEW | GBR REAR LEG SET | -3.352 | 5.1779 |
| BSW UDDER DEPTH | GBR UDDER DEPTH | -0.667 | 3.0246 |
| BSW MEDIAN SUSPENSORY | GBR MEDIAN SUSPENSORY | -0.394 | 2.5719 |
| BSW FORE ATTACHMENT | GBR FORE UDDER | -2.520 | 4.7652 |
| BSW TEAT PLACEMENT | GBR FRONT TEAT PLACEMENT | -1.620 | 4.8573 |
| BSW TEAT LENGTH | GBR TEAT LENGTH | 0.123 | 4.0810 |
| BSW REAR ATTACHMENT HEIGHT | GBR REAR UDDER HEIGHT | -1.070 | 4.1264 |
| BSW ANGULARITY | GBR ANGULARITY | -2.871 | 8.8476 |

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Conversion Factors For Type. Source = INTERBULL MACE 1708
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=ITA

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|-------------------------|-------------------------|---------|--------|------|
| BSW CONFORMATION | ITA FINAL SCORE | -78.370 | 0.7094 | 0.69 |
| BSW DAIRY STRENGTH | ITA OVERALL FRAME | -37.116 | 0.3399 | |
| BSW RUMP | ITA OVERALL RUMP | -38.193 | 0.3628 | |
| BSW FEET AND LEGS | ITA OVERALL FEET & LEG | -31.997 | 0.2751 | |
| BSW MAMMARY SYSTEM | ITA OVERALL UDDER SCORE | -54.204 | 0.4773 | |
| BSW STATURE | ITA STATURE | -47.492 | 0.4285 | |
| BSW THURL PLACEMENT | ITA THURL PLACEMENT | -20.556 | 0.2163 | |
| BSW CHEST WIDTH | ITA STRENGTH | -31.142 | 0.3015 | |
| BSW BODY DEPTH | ITA BODY DEPTH | -29.613 | 0.2859 | |
| BSW LOIN STRENGTH | ITA TOP LINE | -28.528 | 0.2802 | |
| BSW RUMP ANGLE | ITA RUMP ANGLE | -24.375 | 0.2589 | |
| BSW BONE QUALITY | ITA HOCK QUALITY | -33.899 | 0.2916 | |
| BSW FOOT ANGLE | ITA FOOT ANGLE | -26.411 | 0.2349 | |
| BSW HEEL DEPTH | ITA HEEL DEPTH | -31.784 | 0.2874 | |
| BSW REAR LEGS SIDE VIEW | ITA REAR LEG SET | -26.664 | 0.2669 | |
| BSW UDDER DEPTH | ITA UDDER DEPTH | -31.979 | 0.2847 | |

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| BSW MEDIAN SUSPENSORY | ITA MEDIAN SUSPENSORY | -42.729 | 0.3944 |
| BSW FORE ATTACHMENT | ITA FORE UDDER | -31.111 | 0.2831 |
| BSW TEAT PLACEMENT | ITA FRONT TEAT PLACEMENT | -29.338 | 0.2586 |
| BSW TEAT LENGTH | ITA TEAT LENGTH | -28.401 | 0.2934 |
| BSW REAR ATTACHMENT HEIGHT | ITA REAR UDDER HEIGHT | -47.960 | 0.4227 |
| BSW REAR ATTACHMENT WIDTH | ITA REAR UDDER WIDTH | -49.578 | 0.4399 |
| BSW REAR TEAT PLACEMENT | ITA REAR TEAT PLACEMENT | -33.064 | 0.3023 |

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Conversion Factors For Type. Source = INTERBULL MACE 1708
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NLD

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| d | i | y | i | u | u | r |
| | t | 2 | t | e | e | 2 |
| BSW CONFORMATION | NLD CONFORMATION | -177.817 | 1.7499 | 0.61 | | |
| BSW FEET AND LEGS | NLD OVERALL FEET & LEG | -124.279 | 1.1054 | | | |
| BSW MAMMARY SYSTEM | NLD OVERALL UDDER SCORE | -147.365 | 1.5653 | | | |
| BSW STATURE | NLD STATURE | -133.530 | 1.3285 | | | |
| BSW CHEST WIDTH | NLD CHEST WIDTH | -176.869 | 1.7575 | | | |
| BSW BODY DEPTH | NLD BODY DEPTH | -127.221 | 1.3247 | | | |
| BSW PIN WIDTH | NLD RUMP WIDTH | -145.985 | 1.6465 | | | |
| BSW RUMP ANGLE | NLD RUMP ANGLE | -136.038 | 1.3411 | | | |
| BSW FOOT ANGLE | NLD FOOT ANGLE | -126.401 | 1.0949 | | | |
| BSW HEEL DEPTH | NLD HEEL DEPTH | -132.703 | 1.1525 | | | |
| BSW REAR LEGS SIDE VIEW | NLD REAR LEG SET | -111.715 | 1.1759 | | | |
| BSW UDDER DEPTH | NLD UDDER DEPTH | -142.708 | 1.4574 | | | |
| BSW MEDIAN SUSPENSORY | NLD MEDIAN SUSPENSORY | -141.192 | 1.4958 | | | |
| BSW FORE ATTACHMENT | NLD FORE UDDER | -133.749 | 1.3755 | | | |
| BSW TEAT PLACEMENT | NLD FRONT TEAT PLACEMENT | -141.417 | 1.3921 | | | |
| BSW TEAT LENGTH | NLD TEAT LENGTH | -116.601 | 1.1168 | | | |
| BSW REAR ATTACHMENT HEIGHT | NLD REAR UDDER HEIGHT | -113.666 | 1.2517 | | | |
| BSW REAR ATTACHMENT WIDTH | NLD REAR UDDER WIDTH | -114.337 | 1.2611 | | | |
| BSW REAR TEAT PLACEMENT | NLD REAR TEAT PLACEMENT | -142.474 | 1.4667 | | | |
| BSW ANGULARITY | NLD ANGULARITY | -158.039 | 1.6671 | | | |

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Conversion Factors For Type. Source = INTERBULL MACE 1708
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=SVN

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|----------------------------|--------------------------|---------|--------|------|
| BSW CONFORMATION | SVN CONFORMATION | -38.485 | 0.2657 | 0.62 |
| BSW DAIRY STRENGTH | SVN OVERALL FRAME | -35.210 | 0.2616 | |
| BSW RUMP | SVN OVERALL RUMP | -26.445 | 0.2303 | |
| BSW FEET AND LEGS | SVN OVERALL FEET & LEG | -26.027 | 0.2007 | |
| BSW MAMMARY SYSTEM | SVN OVERALL UDDER SCORE | -38.125 | 0.2757 | |
| BSW STATURE | SVN STATURE | -47.542 | 0.3601 | |
| BSW THURL PLACEMENT | SVN THURL PLACEMENT | -15.944 | 0.1651 | |
| BSW CHEST WIDTH | SVN CHEST WIDTH | -32.099 | 0.3306 | |
| BSW BODY DEPTH | SVN BODY DEPTH | -23.110 | 0.2033 | |
| BSW LOIN STRENGTH | SVN TOP LINE | -29.472 | 0.2892 | |
| BSW PIN WIDTH | SVN RUMP WIDTH | -26.296 | 0.2319 | |
| BSW RUMP ANGLE | SVN RUMP ANGLE | -25.735 | 0.2797 | |
| BSW BONE QUALITY | SVN HOCK QUALITY | -34.939 | 0.2809 | |
| BSW FOOT ANGLE | SVN FOOT ANGLE | -29.357 | 0.2491 | |
| BSW HEEL DEPTH | SVN HEEL DEPTH | -23.306 | 0.2061 | |
| BSW REAR LEGS SIDE VIEW | SVN REAR LEG SET | -25.175 | 0.2585 | |
| BSW UDDER DEPTH | SVN UDDER DEPTH | -31.911 | 0.2639 | |
| BSW MEDIAN SUSPENSORY | SVN MEDIAN SUSPENSORY | -33.829 | 0.2722 | |
| BSW FORE ATTACHMENT | SVN FORE UDDER | -31.822 | 0.2413 | |
| BSW TEAT PLACEMENT | SVN FRONT TEAT PLACEMENT | -44.786 | 0.3606 | |
| BSW TEAT LENGTH | SVN TEAT LENGTH | -26.767 | 0.2983 | |
| BSW REAR ATTACHMENT HEIGHT | SVN REAR UDDER HEIGHT | -39.524 | 0.3065 | |
| BSW REAR ATTACHMENT WIDTH | SVN REAR UDDER WIDTH | -44.999 | 0.3532 | |
| BSW REAR TEAT PLACEMENT | SVN REAR TEAT PLACEMENT | -43.810 | 0.3577 | |

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 Conversion Factors For Type. Source = INTERBULL MACE 1708
 Converted Canadian Proof = A + (B* Foreign Proof)
 Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

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|---------------------|----------------------------|--------|---------|------|
| BSW CONFORMATION | USA PTA TYPE (FINAL SCORE) | 0.702 | 10.4642 | 0.76 |
| BSW DAIRY STRENGTH | USA OVERALL FRAME | -0.123 | 4.0139 | |
| BSW RUMP | USA OVERALL RUMP | 0.323 | 9.2098 | |
| BSW FEET AND LEGS | USA OVERALL FEET & LEG | -0.360 | 5.6509 | |
| BSW MAMMARY SYSTEM | USA OVERALL UDDER SCORE | 0.469 | 6.7027 | |
| BSW STATURE | USA STATURE | -0.561 | 3.9733 | |
| BSW THURL PLACEMENT | USA THURL PLACEMENT | -1.844 | 6.6520 | |
| BSW CHEST WIDTH | USA STRENGTH | -0.225 | 9.1975 | |
| BSW BODY DEPTH | USA BODY DEPTH | -0.206 | 6.6720 | |
| BSW PIN WIDTH | USA RUMP WIDTH | 0.899 | 8.1473 | |
| BSW RUMP ANGLE | USA RUMP ANGLE | -0.905 | 5.3868 | |
| BSW FOOT ANGLE | USA FOOT ANGLE | -0.009 | 9.4903 | |

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| BSW HEEL DEPTH | USA HEEL DEPTH | -0.013 | 9.7303 |
| BSW REAR LEGS SIDE VIEW | USA REAR LEG SET | -0.088 | 9.0991 |
| BSW UDDER DEPTH | USA UDDER DEPTH | 0.002 | 4.9361 |
| BSW MEDIAN SUSPENSORY | USA UDDER CLEFT | 0.758 | 5.7902 |
| BSW FORE ATTACHMENT | USA FORE UDDER ATTACHMENT | 0.936 | 5.0616 |
| BSW FRONT TEAT PLACEMENT | USA FRONT TEAT PLACEMENT | -0.575 | 5.1549 |
| BSW TEAT LENGTH | USA TEAT LENGTH | 0.167 | 4.1536 |
| BSW REAR ATTACHMENT HEIGHT | USA REAR UDDER HEIGHT | -0.130 | 5.0012 |
| BSW REAR ATTACHMENT WIDTH | USA REAR UDDER WIDTH | -0.146 | 6.7486 |
| BSW REAR TEAT PLACEMENT | USA REAR TEAT PLACEMENT | -0.050 | 5.0419 |
| BSW ANGULARITY | USA ANGULARITY | 0.351 | 5.6478 |

CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2017

| BREED | BMILK | BFAT | BPRT |
|-------|-------|-------|-------|
| ----- | ----- | ----- | ----- |
| AYS | 7672 | 318 | 260 |
| BSW | 8289 | 350 | 293 |
| CN | 5609 | 247 | 202 |
| GUE | 6821 | 320 | 235 |
| JER | 6532 | 329 | 250 |
| HOL | 10090 | 390 | 324 |
| MS | 6661 | 257 | 220 |

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

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

EXAMPLE:

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

$$\begin{aligned}
 EBVFAT\% &= 200 * [(390 + 50 * 0.5) / (10090 + 1000 * 0.5) - (390 / 1E4)] \\
 &= 200 * [(390 + 25) / (10090 + 500) - (0.03865)] \\
 &= 200 * [0.03919 - 0.03865] \\
 &= 200 * 0.00054 \\
 &= 0.11
 \end{aligned}$$

$$\begin{aligned}
 EBVPROT\% &= 200 * [(324 + 40 * 0.5) / (10090 + 1000 * 0.5) - (324 / 1E4)] \\
 &= 200 * [(324 + 20) / (10090 + 500) - (0.03211)] \\
 &= 200 * [0.03248 - 0.03211] \\
 &= 200 * 0.00037 \\
 &= 0.07
 \end{aligned}$$