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Conversion Factors For Production Traits.  Source: INTERBULL 2408
Converted Canadian  Proof = A +  (B* Foreign Proof)
Converted Proof Reliability = PCORR2*Foreign Reliability

| breed | country2 | amilk | bmilk | afat | bfat | aprot | bprot | pcorr2 |
|---|---|---|---|---|---|---|---|---|
| MSH | AUS | 188.60 | 0.8280 | 28.800 | 1.2390 | 8.500 | 0.7120 | 0.4761 |
| MSH | CAN | 352.70 | 0.5220 | 26.100 | 0.6680 | 11.000 | 0.3790 | 0.6241 |
| MSH | DEU | 794.40 | 0.5130 | 64.700 | 0.7220 | 27.100 | 0.4290 | 0.6084 |
| MSH | DFS | -2385.30 | 33.0500 | -99.200 | 1.6950 | -41.500 | 0.7470 | 0.6084 |
| MSH | EST | 811.50 | 0.6290 | 51.600 | 0.8820 | 25.700 | 0.4940 | 0.5776 |
| MSH | GBR | 97.20 | 1.4010 | 12.100 | 2.1850 | 4.900 | 1.3140 | 0.6084 |
| MSH | IRL | 696.12 | 1.8527 | 41.141 | 2.2990 | 20.624 | 1.3938 | 0.5329 |
| MSH | LTU | 127.33 | 0.8806 | 24.001 | 1.0130 | 7.764 | 0.7163 | 0.5625 |
| MSH | LVA | 606.00 | 1.1090 | 39.700 | 1.4610 | 18.500 | 0.9280 | 0.5776 |
| MSH | NLD | 1400.06 | 0.4268 | 85.760 | 0.6057 | 41.540 | 0.3058 | 0.5929 |
| MSH | NOR | -1624.30 | 25.8040 | -79.900 | 1.3890 | -32.200 | 0.6210 | 0.6084 |
| MSH | NZL | 210.30 | 0.8710 | 42.000 | 1.0680 | 14.500 | 0.7140 | 0.4356 |
| MSH | USA | 176.40 | 0.5210 | 11.700 | 0.7870 | 4.900 | 0.4300 | 0.7744 |
| MSH | ZAF | 251.12 | 0.5457 | 17.360 | 0.8534 | 6.609 | 0.4615 | 0.6241 |

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Conversion Factors For SCS Traits.  Source: INTERBULL 2408
Converted Canadian  Proof = A +  (B* Foreign Proof)
Converted Proof Reliability = SCORR2*Foreign Reliability

| breed | country2 | a | b | scorr2 |
|---|---|---|---|---|
| MSH | AUS | 98.700 | -19.9210 | 0.7225 |
| MSH | CAN | 14.800 | 0.8860 | 0.7744 |
| MSH | DEU | 64.400 | 0.3790 | 0.7744 |
| MSH | DFS | 62.200 | 0.4240 | 0.7744 |
| MSH | EST | 73.200 | 0.3000 | 0.7569 |
| MSH | GBR | 102.900 | -0.4910 | 0.7744 |
| MSH | LTU | 102.388 | -14.8296 | 0.7569 |
| MSH | LVA | 102.400 | -0.0120 | 0.7569 |
| MSH | NLD | -23.705 | 1.3166 | 0.7921 |
| MSH | NOR | 64.500 | 0.3960 | 0.7569 |
| MSH | NZL | 98.200 | -12.3720 | 0.6724 |
| MSH | USA | 172.000 | -23.2030 | 0.6889 |
| MSH | ZAF | 103.824 | -0.2176 | 0.7744 |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
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 |

| breed | trait | ntry2 | trait | value | value | corr2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | AUS | CONFORMATION | 3.397 | 4.1772 | 0.53 |
| MSH | FEET AND LEGS | AUS | OVERALL FEET & LEG | 2.305 | 5.8853 | |
| MSH | MAMMARY SYSTEM | AUS | OVERALL UDDER SCORE | 4.457 | 3.7933 | |
| MSH | STATURE | AUS | STATURE | 1.128 | 8.2557 | |
| MSH | CHEST WIDTH | AUS | CHEST WIDTH | 2.739 | 12.9005 | |
| MSH | BODY DEPTH | AUS | BODY DEPTH | 2.169 | 9.9457 | |
| MSH | PIN WIDTH | AUS | RUMP WIDTH | 1.479 | 12.0388 | |
| MSH | RUMP ANGLE | AUS | RUMP ANGLE | -2.584 | 11.4660 | |
| MSH | FOOT ANGLE | AUS | FOOT ANGLE | -0.279 | 20.2254 | |
| MSH | REAR LEGS SIDE VIEW | AUS | REAR LEG SET | 1.768 | 24.5725 | |
| MSH | REAR LEG REAR VIEW | AUS | REAR LEG REAR VIEW | 0.570 | 24.7677 | |
| MSH | UDDER DEPTH | AUS | UDDER DEPTH | -0.042 | 7.3621 | |
| MSH | MEDIAN SUSPENSORY | AUS | MEDIAN SUSPENSORY | 1.654 | 14.3258 | |
| MSH | FORE ATTACHMENT | AUS | FORE UDDER | 3.332 | 13.8045 | |
| MSH | TEAT PLACEMENT | AUS | FRONT TEAT PLACEMENT | 4.301 | 11.0289 | |
| MSH | TEAT LENGTH | AUS | TEAT LENGTH | -0.241 | 11.6709 | |
| MSH | REAR ATTACHMENT HEIGHT | AUS | REAR UDDER HEIGHT | 1.420 | 10.3248 | |
| MSH | REAR TEAT PLACEMENT | AUS | REAR TEAT PLACEMENT | 1.274 | 14.4766 | |
| MSH | ANGULARITY | AUS | ANGULARITY | 3.863 | 13.5648 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=CAN

| breed | trait | country | foor trait | a val | b val | tcor |
|---|---|---|---|---|---|---|

| e d | i t | y 2 | i t | u e | u e | r 2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | CAN | CONFORMATION | 6.495 | 0.8508 | 0.5 6 |
| MSH | FEET AND LEGS | CAN | OVERALL FEET & LEG | 6.902 | 1.0818 | |
| MSH | MAMMARY SYSTEM | CAN | OVERALL UDDER SCORE | 10.339 | 0.9546 | |
| MSH | STATURE | CAN | STATURE | 5.897 | 0.8755 | |
| MSH | CHEST WIDTH | CAN | CHEST WIDTH | 0.709 | 0.8201 | |
| MSH | BODY DEPTH | CAN | BODY DEPTH | 1.107 | 0.8216 | |
| MSH | PIN WIDTH | CAN | RUMP WIDTH | 5.824 | 0.9371 | |
| MSH | RUMP ANGLE | CAN | RUMP ANGLE | 0.226 | 0.9191 | |
| MSH | FOOT ANGLE | CAN | FOOT ANGLE | 4.244 | 0.9167 | |
| MSH | REAR LEGS SIDE VIEW | CAN | REAR LEG SET | -1.599 | 0.8130 | |
| MSH | REAR LEG REAR VIEW | CAN | REAR LEG REAR VIEW | 3.079 | 0.7959 | |
| MSH | UDDER DEPTH | CAN | UDDER DEPTH | 3.655 | 0.7450 | |
| MSH | MEDIAN SUSPENSORY | CAN | MEDIAN SUSPENSORY | 4.214 | 0.7752 | |
| MSH | FORE ATTACHMENT | CAN | FORE UDDER | 8.483 | 0.9161 | |
| MSH | TEAT PLACEMENT | CAN | FRONT TEAT PLACEMENT | 4.125 | 0.9744 | |
| MSH | TEAT LENGTH | CAN | TEAT LENGTH | -5.451 | 1.3296 | |
| MSH | REAR ATTACHMENT HEIGHT | CAN | REAR UDDER HEIGHT | 8.061 | 0.9270 | |
| MSH | REAR TEAT PLACEMENT | CAN | REAR TEAT PLACEMENT | 3.127 | 0.9228 | |
| MSH | ANGULARITY | CAN | ANGULARITY | 6.964 | 0.7374 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
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 a i t | c o u n t r y 2 | f o r e i g n t r a i t | a v a l u e | b v a l u e | t c o r r 2 |
|---|---|---|---|---|---|---|

| | | | | | | |
|---|---|---|---|---|---|---|
| MSH | FEET AND LEGS | DEU | OVERALL FEET & LEG | -25.219 | 0.3406 | |
| MSH | MAMMARY SYSTEM | DEU | OVERALL UDDER SCORE | -24.390 | 0.3459 | |
| MSH | STATURE | DEU | STATURE | -34.577 | 0.4241 | |
| MSH | CHEST WIDTH | DEU | CHEST WIDTH | -42.971 | 0.4602 | |
| MSH | BODY DEPTH | DEU | BODY DEPTH | -46.316 | 0.4946 | |
| MSH | PIN WIDTH | DEU | RUMP WIDTH | -51.516 | 0.5875 | |
| MSH | RUMP ANGLE | DEU | RUMP ANGLE | -58.477 | 0.5559 | |
| MSH | FOOT ANGLE | DEU | FOOT ANGLE | -32.794 | 0.4125 | |
| MSH | REAR LEGS SIDE VIEW | DEU | REAR LEG SET | -66.639 | 0.6228 | |
| MSH | REAR LEG REAR VIEW | DEU | REAR LEG REAR VIEW | -43.525 | 0.5022 | |
| MSH | UDDER DEPTH | DEU | UDDER DEPTH | -28.363 | 0.3287 | |
| MSH | MEDIAN SUSPENSORY | DEU | MEDIAN SUSPENSORY | -33.962 | 0.3741 | |
| MSH | FORE ATTACHMENT | DEU | FORE UDDER | -34.362 | 0.4193 | |
| MSH | TEAT PLACEMENT | DEU | FRONT TEAT PLACEMENT | -41.443 | 0.4608 | |
| MSH | TEAT LENGTH | DEU | TEAT LENGTH | -57.263 | 0.5081 | |
| MSH | REAR ATTACHMENT HEIGHT | DEU | REAR UDDER HEIGHT | -29.806 | 0.3651 | |
| MSH | REAR TEAT PLACEMENT | DEU | REAR TEAT PLACEMENT | -37.686 | 0.3865 | |
| MSH | ANGULARITY | DEU | ANGULARITY | -72.741 | 0.8016 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=DFS

| breed | trait | country2 | trait | value | value | corr2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | DFS | CONFORMATION | -44.087 | 0.4550 | 0.58 |
| MSH | FEET AND LEGS | DFS | OVERALL FEET & LEG | -33.129 | 0.3964 | |
| MSH | MAMMARY SYSTEM | DFS | OVERALL UDDER SCORE | -44.711 | 0.5431 | |

| | | | | | |
|---|---|---|---|---|---|
| MSH | STATURE | DFS | STATURE | -59.046 | 0.6327 |
| MSH | CHEST WIDTH | DFS | CHEST WIDTH | -38.389 | 0.4071 |
| MSH | BODY DEPTH | DFS | BODY DEPTH | -44.106 | 0.4308 |
| MSH | PIN WIDTH | DFS | RUMP WIDTH | -51.647 | 0.5614 |
| MSH | RUMP ANGLE | DFS | RUMP ANGLE | -51.344 | 0.5196 |
| MSH | FOOT ANGLE | DFS | FOOT ANGLE | -64.116 | 0.6742 |
| MSH | REAR LEGS SIDE VIEW | DFS | REAR LEG SET | -59.194 | 0.6133 |
| MSH | REAR LEG REAR VIEW | DFS | REAR LEG REAR VIEW | -42.150 | 0.4637 |
| MSH | UDDER DEPTH | DFS | UDDER DEPTH | -35.103 | 0.4018 |
| MSH | MEDIAN SUSPENSORY | DFS | MEDIAN SUSPENSORY | -33.217 | 0.3356 |
| MSH | FORE ATTACHMENT | DFS | FORE UDDER | -38.124 | 0.4602 |
| MSH | TEAT PLACEMENT | DFS | FRONT TEAT PLACEMENT | -45.546 | 0.5034 |
| MSH | TEAT LENGTH | DFS | TEAT LENGTH | -69.412 | 0.6453 |
| MSH | REAR ATTACHMENT HEIGHT | DFS | REAR UDDER HEIGHT | -45.716 | 0.5004 |
| MSH | REAR TEAT PLACEMENT | DFS | REAR TEAT PLACEMENT | -43.254 | 0.4292 |
| MSH | ANGULARITY | DFS | ANGULARITY | -61.351 | 0.6409 |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=GBR

| breed | canadian trait | country2 trait | foreign trait | a value | b value | tcorr2 |
|---|---|---|---|---|---|---|
| MSH | FEET AND LEGS | GBR | OVERALL FEET & LEG | 6.335 | 3.5114 | |
| MSH | MAMMARY SYSTEM | GBR | OVERALL UDDER SCORE | 10.512 | 3.6613 | |
| MSH | STATURE | GBR | STATURE | 2.903 | 4.2433 | |
| MSH | CHEST WIDTH | GBR | CHEST WIDTH | 3.842 | 3.3425 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| MSH | BODY DEPTH | GBR | BODY DEPTH | 3.245 | 3.1319 | |
| MSH | PIN WIDTH | GBR | RUMP WIDTH | 4.887 | 3.9575 | |
| MSH | RUMP ANGLE | GBR | RUMP ANGLE | -1.206 | 3.2700 | |
| MSH | FOOT ANGLE | GBR | FOOT ANGLE | 2.287 | 3.9498 | |
| MSH | REAR LEGS SIDE VIEW | GBR | REAR LEG SET | -2.442 | 3.3736 | |
| MSH | UDDER DEPTH | GBR | UDDER DEPTH | 3.056 | 2.4293 | |
| MSH | MEDIAN SUSPENSORY | GBR | MEDIAN SUSPENSORY | 3.738 | 2.6467 | |
| MSH | FORE ATTACHMENT | GBR | FORE UDDER | 9.249 | 3.5669 | |
| MSH | TEAT PLACEMENT | GBR | FRONT TEAT PLACEMENT | 6.600 | 4.0458 | |
| MSH | TEAT LENGTH | GBR | TEAT LENGTH | -5.671 | 4.8275 | |
| MSH | REAR ATTACHMENT HEIGHT | GBR | REAR UDDER HEIGHT | 6.893 | 3.6999 | |
| MSH | ANGULARITY | GBR | ANGULARITY | 3.846 | 4.4811 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=LVA

| breed | trait | country2 | foreign trait | a value | b value | tcor2 |
|---|---|---|---|---|---|---|
| MSH | STATURE | LVA | STATURE | -7.618 | 8.4131 | |
| MSH | CHEST WIDTH | LVA | CHEST WIDTH | -2.323 | 17.1409 | |
| MSH | BODY DEPTH | LVA | BODY DEPTH | -3.073 | 14.0853 | |
| MSH | PIN WIDTH | LVA | RUMP WIDTH | -3.747 | 15.0997 | |
| MSH | RUMP ANGLE | LVA | RUMP ANGLE | -9.821 | 12.1384 | |
| MSH | FOOT ANGLE | LVA | FOOT ANGLE | 2.092 | 23.1199 | |
| MSH | REAR LEGS SIDE VIEW | LVA | REAR LEG SET | -12.770 | 20.7303 | |
| MSH | REAR LEG REAR VIEW | LVA | REAR LEG REAR VIEW | -0.715 | 24.8779 | |
| MSH | UDDER DEPTH | LVA | UDDER DEPTH | -3.871 | 10.0948 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| MSH | MEDIAN SUSPENSORY | LVA | MEDIAN SUSPENSORY | -2.763 | 14.8678 | |
| MSH | FORE ATTACHMENT | LVA | FORE UDDER | -4.205 | 16.1752 | |
| MSH | TEAT PLACEMENT | LVA | FRONT TEAT PLACEMENT | -2.975 | 15.8263 | |
| MSH | TEAT LENGTH | LVA | TEAT LENGTH | -10.924 | 14.0008 | |
| MSH | REAR ATTACHMENT HEIGHT | LVA | REAR UDDER HEIGHT | -6.673 | 13.8140 | |
| MSH | REAR TEAT PLACEMENT | LVA | REAR TEAT PLACEMENT | -7.678 | 14.6436 | |
| MSH | ANGULARITY | LVA | ANGULARITY | -8.688 | 20.8207 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NLD

| breed | trait | country2 | foreign trait | value | value | tcorr2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | NLD | CONFORMATION | -120.142 | 1.3877 | 0.61 |
| MSH | FEET AND LEGS | NLD | OVERALL FEET & LEG | -62.347 | 0.7349 | |
| MSH | MAMMARY SYSTEM | NLD | OVERALL UDDER SCORE | -103.721 | 1.2586 | |
| MSH | STATURE | NLD | STATURE | -93.187 | 1.1240 | |
| MSH | CHEST WIDTH | NLD | CHEST WIDTH | -89.135 | 1.0137 | |
| MSH | BODY DEPTH | NLD | BODY DEPTH | -85.344 | 1.0027 | |
| MSH | PIN WIDTH | NLD | RUMP WIDTH | -80.752 | 0.9402 | |
| MSH | RUMP ANGLE | NLD | RUMP ANGLE | -91.258 | 0.9151 | |
| MSH | FOOT ANGLE | NLD | FOOT ANGLE | -109.678 | 1.2003 | |
| MSH | REAR LEGS SIDE VIEW | NLD | REAR LEG SET | -108.035 | 1.0199 | |
| MSH | REAR LEG REAR VIEW | NLD | REAR LEG REAR VIEW | -87.904 | 0.9714 | |
| MSH | UDDER DEPTH | NLD | UDDER DEPTH | -85.872 | 0.9621 | |
| MSH | MEDIAN SUSPENSORY | NLD | MEDIAN SUSPENSORY | -93.769 | 1.0102 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| MSH | FORE ATTACHMENT | NLD | FORE UDDER | -113.075 | 1.2906 | |
| MSH | TEAT PLACEMENT | NLD | FRONT TEAT PLACEMENT | -119.563 | 1.3261 | |
| MSH | TEAT LENGTH | NLD | TEAT LENGTH | -132.399 | 1.2988 | |
| MSH | REAR ATTACHMENT HEIGHT | NLD | REAR UDDER HEIGHT | -105.284 | 1.2566 | |
| MSH | REAR TEAT PLACEMENT | NLD | REAR TEAT PLACEMENT | -97.139 | 1.0363 | |
| MSH | ANGULARITY | NLD | ANGULARITY | -85.326 | 1.0531 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NOR

| breed | trait | country2 | foreign trait | avalue | bvalue | tcorr2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | NOR | CONFORMATION | -30.882 | 0.3035 | 0.56 |
| MSH | FEET AND LEGS | NOR | OVERALL FEET & LEG | -38.071 | 0.3911 | |
| MSH | MAMMARY SYSTEM | NOR | OVERALL UDDER SCORE | -41.033 | 0.4165 | |
| MSH | STATURE | NOR | STATURE | -40.849 | 0.4033 | |
| MSH | CHEST WIDTH | NOR | CHEST WIDTH | -31.448 | 0.3729 | |
| MSH | BODY DEPTH | NOR | BODY DEPTH | -33.212 | 0.3179 | |
| MSH | PIN WIDTH | NOR | RUMP WIDTH | -35.089 | 0.4250 | |
| MSH | RUMP ANGLE | NOR | RUMP ANGLE | -40.979 | 0.4277 | |
| MSH | FOOT ANGLE | NOR | FOOT ANGLE | -44.375 | 0.4609 | |
| MSH | REAR LEGS SIDE VIEW | NOR | REAR LEG SET | -45.178 | 0.4573 | |
| MSH | REAR LEG REAR VIEW | NOR | REAR LEG REAR VIEW | -35.867 | 0.3757 | |
| MSH | UDDER DEPTH | NOR | UDDER DEPTH | -31.157 | 0.2982 | |
| MSH | MEDIAN SUSPENSORY | NOR | MEDIAN SUSPENSORY | -39.771 | 0.3702 | |
| MSH | FORE ATTACHMENT | NOR | FORE UDDER | -41.637 | 0.4381 | |
| MSH | TEAT PLACEMENT | NOR | FRONT TEAT PLACEMENT | -42.823 | 0.4270 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| MSH | TEAT LENGTH | NOR | TEAT LENGTH | -60.153 | 0.5364 | |
| MSH | REAR ATTACHMENT HEIGHT | NOR | REAR UDDER HEIGHT | -41.894 | 0.4013 | |
| MSH | REAR TEAT PLACEMENT | NOR | REAR TEAT PLACEMENT | -38.029 | 0.3821 | |
| MSH | ANGULARITY | NOR | ANGULARITY | -41.174 | 0.3660 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=NZL

| breed | can trait | country2 | for trait | a value | b value | tcor2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | NZL | CONFORMATION | 0.457 | 16.6467 | 0.53 |
| MSH | MAMMARY SYSTEM | NZL | OVERALL UDDER SCORE | 1.330 | 15.5763 | |
| MSH | STATURE | NZL | STATURE | -5.452 | 10.9563 | |
| MSH | CHEST WIDTH | NZL | CHEST WIDTH | 3.144 | 15.5426 | |
| MSH | BODY DEPTH | NZL | BODY DEPTH | 0.939 | 14.3029 | |
| MSH | PIN WIDTH | NZL | RUMP WIDTH | 0.271 | 17.8216 | |
| MSH | RUMP ANGLE | NZL | RUMP ANGLE | -4.499 | 18.2079 | |
| MSH | REAR LEGS SIDE VIEW | NZL | REAR LEG SET | 1.987 | 45.7593 | |
| MSH | MEDIAN SUSPENSORY | NZL | MEDIAN SUSPENSORY | -1.579 | 13.6589 | |
| MSH | FORE ATTACHMENT | NZL | FORE UDDER | 1.784 | 14.2858 | |
| MSH | TEAT PLACEMENT | NZL | FRONT TEAT PLACEMENT | -1.343 | 22.7430 | |
| MSH | TEAT LENGTH | NZL | TEAT LENGTH | -0.185 | 16.7642 | |
| MSH | REAR ATTACHMENT HEIGHT | NZL | REAR UDDER HEIGHT | 1.667 | 15.0468 | |
| MSH | REAR TEAT PLACEMENT | NZL | REAR TEAT PLACEMENT | -3.271 | 15.9609 | |

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Conversion Factors For Type. Source = INTERBULL MACE 2408
Converted Canadian Proof = A + (B* Foreign Proof)
Converted Proof Reliability = TCORR2*Foreign Reliability

country2=USA

| breed | cantrait | country2 | fortrait | a value | b value | tcorr2 |
|---|---|---|---|---|---|---|
| MSH | CONFORMATION | USA | CONFORMATION | 7.183 | 8.8099 | 0.61 |
| MSH | FEET AND LEGS | USA | OVERALL FEET & LEG | 5.420 | 3.9813 | |
| MSH | MAMMARY SYSTEM | USA | OVERALL UDDER SCORE | 10.004 | 5.7935 | |
| MSH | STATURE | USA | STATURE | 5.813 | 2.4037 | |
| MSH | CHEST WIDTH | USA | CHEST WIDTH | 2.970 | 4.3282 | |
| MSH | BODY DEPTH | USA | BODY DEPTH | 3.833 | 3.8506 | |
| MSH | PIN WIDTH | USA | RUMP WIDTH | 6.173 | 4.2303 | |
| MSH | RUMP ANGLE | USA | RUMP ANGLE | -1.372 | 3.2227 | |
| MSH | FOOT ANGLE | USA | FOOT ANGLE | 2.495 | 5.8261 | |
| MSH | REAR LEGS SIDE VIEW | USA | REAR LEG SET | -3.101 | 6.2402 | |
| MSH | REAR LEG REAR VIEW | USA | REAR LEG REAR VIEW | 3.410 | -5.5828 | |
| MSH | UDDER DEPTH | USA | UDDER DEPTH | 3.399 | 3.2864 | |
| MSH | MEDIAN SUSPENSORY | USA | MEDIAN SUSPENSORY | 2.092 | 3.8550 | |
| MSH | FORE ATTACHMENT | USA | FORE UDDER | 8.237 | 3.6087 | |
| MSH | TEAT PLACEMENT | USA | FRONT TEAT PLACEMENT | 4.186 | 4.3112 | |
| MSH | TEAT LENGTH | USA | TEAT LENGTH | -3.798 | 4.1355 | |
| MSH | REAR ATTACHMENT HEIGHT | USA | REAR UDDER HEIGHT | 7.797 | 3.8176 | |
| MSH | REAR TEAT PLACEMENT | USA | REAR TEAT PLACEMENT | 3.196 | 3.9967 | |
| MSH | ANGULARITY | USA | ANGULARITY | 7.594 | 4.9689 | |

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CALCULATION OF FAT% AND PROTEIN% FOR AUGUST 2024

| BREED | BMILK | BFAT | BPRT |
|---|---|---|---|

| | | | |
|---|---|---|---|
| AYS | 8168 | 340 | 281 |
| BSW | 8791 | 374 | 314 |
| CN | 5568 | 240 | 201 |
| GUE | 7268 | 337 | 256 |
| JER | 7180 | 370 | 281 |
| HOL | 11058 | 443 | 366 |
| MS | 7222 | 291 | 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 * [(443+50*.5)/(11058+1000*.5)-(443/11E3)]
= 200 * [(443+25)/(11058+500)-(0.04006)]
= 200 * [ 0.04049 - 0.04006 ]
= 200 * 0.00043
= 0.09

EBVPRT% = 200 * [(366+40*.5)/(11058+1000*.5)-(366/11E3)]
= 200 * [(366+20)/(11058+500)-(0.03310)]
= 200 * [ 0.03340 - 0.03310 ]
= 200 * 0.00030
= 0.06