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 Conversion Factors For Production Traits. Source: INTERBULL 1512

Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = PCORR2\*Foreign Reliability

| breed | country2 | amilk    | bmilk   | afat     | bfat   | aprot    | bprot  | pcorr2 |
|-------|----------|----------|---------|----------|--------|----------|--------|--------|
| BSW   | AUS      | -33.76   | 1.1400  | 1.187    | 1.3001 | 0.365    | 1.3675 | 0.5625 |
| BSW   | CHE      | -343.00  | 1.1520  | -12.500  | 1.1610 | -10.600  | 1.2550 | 0.7396 |
| BSW   | DEA      | 6.00     | 1.1610  | 3.800    | 1.3260 | 4.700    | 1.3480 | 0.7225 |
| BSW   | FRA      | 52.90    | 0.8190  | 1.200    | 0.8240 | 3.100    | 0.8790 | 0.7396 |
| BSW   | GBR      | -111.93  | 2.0543  | -3.200   | 2.3451 | -2.608   | 2.5857 | 0.7225 |
| BSW   | ITA      | 32.50    | 0.8790  | 3.200    | 1.0290 | 6.200    | 0.8930 | 0.7396 |
| BSW   | NLD      | 1271.65  | 0.9582  | 37.617   | 0.9257 | 42.022   | 1.0296 | 0.7569 |
| BSW   | NZL      | 201.24   | 1.2627  | 28.930   | 1.2578 | 11.697   | 1.4978 | 0.5329 |
| BSW   | SVN      | -6326.30 | 53.8120 | -276.100 | 2.3700 | -234.800 | 2.0210 | 0.7396 |
| BSW   | USA      | 45.50    | 0.9240  | 0.300    | 0.9870 | 0.700    | 1.0780 | 0.7921 |

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 Conversion Factors For SCS Traits. Source: INTERBULL 1512

Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = SCORR2\*Foreign Reliability

| breed | country2 | a      | b       | scorr2 |
|-------|----------|--------|---------|--------|
| BSW   | CHE      | 5.100  | -0.0220 | 0.8649 |
| BSW   | DEA      | 4.900  | -0.0190 | 0.8464 |
| BSW   | FRA      | 3.000  | -0.2320 | 0.8464 |
| BSW   | GBR      | 2.960  | 0.0178  | 0.8464 |
| BSW   | ITA      | 4.800  | -0.0180 | 0.8464 |
| BSW   | NLD      | -2.608 | 0.0552  | 0.7921 |
| BSW   | NZL      | 3.133  | 0.5458  | 0.6724 |
| BSW   | SVN      | 5.200  | -0.0220 | 0.7569 |
| BSW   | USA      | -0.200 | 1.0950  | 0.8281 |

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 Conversion Factors For Type. Source = INTERBULL MACE 1512

Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=CHE

| c | a | n | b | t | c | f | a | b | t |
|---|---|---|---|---|---|---|---|---|---|
|   |   |   |   |   | o | o |   |   |   |
|   |   |   |   |   | u | r | v | v | c |
|   |   |   |   |   | n | t | a | a | o |
|   |   |   |   |   | t | r | l | l | r |
|   |   |   |   |   | r | a | u | u | r |
|   |   |   |   |   | y | i | e | e | r |
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|                    |                         |         |        |      |
|--------------------|-------------------------|---------|--------|------|
| BSW CONFORMATION   | CHE FINAL SCORE         | -77.682 | 0.7722 | 0.74 |
| BSW FEET AND LEGS  | CHE OVERALL FEET & LEG  | -56.861 | 0.5584 |      |
| BSW MAMMARY SYSTEM | CHE OVERALL UDDER SCORE | -55.073 | 0.5533 |      |
| BSW STATURE        | CHE STATURE             | -57.622 | 0.5446 |      |
| BSW CHEST WIDTH    | CHE CHEST WIDTH         | -75.656 | 0.7889 |      |

|                            |                          |         |         |
|----------------------------|--------------------------|---------|---------|
| BSW BODY DEPTH             | CHE BODY DEPTH           | -61.763 | 0.6068  |
| BSW PIN WIDTH              | CHE RUMP WIDTH           | -57.994 | 0.6174  |
| BSW RUMP ANGLE             | CHE RUMP ANGLE           | -53.860 | 0.5437  |
| BSW FOOT ANGLE             | CHE FOOT ANGLE           | -39.371 | 0.3763  |
| BSW HEEL DEPTH             | CHE HEEL DEPTH           | -55.918 | 0.5614  |
| BSW REAR LEGS SIDE VIEW    | CHE REAR LEG SET         | -45.559 | 0.4757  |
| BSW UDDER DEPTH            | CHE UDDER DEPTH          | -51.512 | 0.5178  |
| BSW MEDIAN SUSPENSORY      | CHE MEDIAN SUSPENSORY    | -63.654 | 0.6178  |
| BSW FORE ATTACHMENT        | CHE FORE UDDER           | -47.211 | 0.4541  |
| BSW FRONT TEAT PLACEMENT   | CHE FRONT TEAT PLACEMENT | -48.195 | 0.4767  |
| BSW TEAT LENGTH            | CHE TEAT LENGTH          | -40.009 | 0.3715  |
| BSW REAR ATTACHMENT HEIGHT | CHE REAR UDDER HEIGHT    | -59.040 | 0.5824  |
| BSW REAR ATTACHMENT WIDTH  | CHE REAR UDDER WIDTH     | -65.940 | 0.6536  |
| BSW REAR TEAT PLACEMENT    | CHE REAR TEAT PLACEMENT  | -48.156 | 0.4721  |
| BSW ANGULARITY             | CHE ANGULARITY           | 54.600  | -0.6117 |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=DEA

|                            |                          |         |        |      |   |
|----------------------------|--------------------------|---------|--------|------|---|
| c                          | c                        | f       |        |      |   |
| a                          | o                        | o       |        |      |   |
| n                          | u                        | r       | a      | b    | t |
| b                          | n                        | t       | v      | v    | c |
| r                          | t                        | r       | a      | a    | o |
| e                          | r                        | a       | l      | l    | r |
| e                          | y                        | i       | u      | u    | r |
| d                          | 2                        | t       | e      | e    | 2 |
| BSW CONFORMATION           | DEA CONFORMATION         | -54.419 | 0.5018 | 0.52 |   |
| BSW FEET AND LEGS          | DEA OVERALL FEET & LEG   | -38.883 | 0.3793 |      |   |
| BSW MAMMARY SYSTEM         | DEA OVERALL UDDER SCORE  | -59.875 | 0.5666 |      |   |
| BSW STATURE                | DEA STATURE              | -62.665 | 0.5812 |      |   |
| BSW CHEST WIDTH            | DEA CHEST WIDTH          | -61.976 | 0.6219 |      |   |
| BSW BODY DEPTH             | DEA BODY DEPTH           | -54.830 | 0.5297 |      |   |
| BSW PIN WIDTH              | DEA RUMP WIDTH           | -52.122 | 0.5178 |      |   |
| BSW RUMP ANGLE             | DEA RUMP ANGLE           | -50.042 | 0.5094 |      |   |
| BSW FOOT ANGLE             | DEA FOOT ANGLE           | -32.991 | 0.3080 |      |   |
| BSW HEEL DEPTH             | DEA HEEL DEPTH           | -56.071 | 0.5562 |      |   |
| BSW REAR LEGS SIDE VIEW    | DEA REAR LEG SET         | -51.017 | 0.5210 |      |   |
| BSW UDDER DEPTH            | DEA UDDER DEPTH          | -51.295 | 0.4952 |      |   |
| BSW MEDIAN SUSPENSORY      | DEA MEDIAN SUSPENSORY    | -65.810 | 0.6244 |      |   |
| BSW FORE ATTACHMENT        | DEA FORE UDDER           | -47.582 | 0.4772 |      |   |
| BSW FRONT TEAT PLACEMENT   | DEA FRONT TEAT PLACEMENT | -61.649 | 0.5882 |      |   |
| BSW TEAT LENGTH            | DEA TEAT LENGTH          | -43.129 | 0.4264 |      |   |
| BSW REAR ATTACHMENT HEIGHT | DEA REAR UDDER HEIGHT    | -48.373 | 0.4407 |      |   |
| BSW REAR ATTACHMENT WIDTH  | DEA REAR UDDER WIDTH     | -57.982 | 0.5506 |      |   |
| BSW REAR TEAT PLACEMENT    | DEA REAR TEAT PLACEMENT  | -63.265 | 0.5956 |      |   |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=FRA

|   |   |   |   |   |   |
|---|---|---|---|---|---|
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|                            |                          |        |        |      |
|----------------------------|--------------------------|--------|--------|------|
| BSW CONFORMATION           | FRA OVERALL SCORE        | -2.762 | 6.3870 | 0.72 |
| BSW FEET AND LEGS          | FRA OVERALL FEET & LEG   | -1.571 | 2.6463 |      |
| BSW MAMMARY SYSTEM         | FRA OVERALL UDDER SCORE  | -2.566 | 6.5371 |      |
| BSW STATURE                | FRA STATURE              | -2.695 | 7.4490 |      |
| BSW CHEST WIDTH            | FRA CHEST DEPTH          | -0.199 | 7.6373 |      |
| BSW BODY DEPTH             | FRA BODY DEPTH           | -0.828 | 5.8060 |      |
| BSW PIN WIDTH              | FRA RUMP WIDTH           | -0.626 | 6.2135 |      |
| BSW RUMP ANGLE             | FRA RUMP ANGLE           | 1.525  | 6.4414 |      |
| BSW FOOT ANGLE             | FRA HEEL DEPTH           | -1.920 | 5.7314 |      |
| BSW HEEL DEPTH             | FRA HEEL DEPTH           | -0.623 | 6.4305 |      |
| BSW REAR LEGS SIDE VIEW    | FRA REAR LEG SET         | -0.105 | 6.4191 |      |
| BSW UDDER DEPTH            | FRA UDDER DEPTH          | -2.894 | 5.9749 |      |
| BSW MEDIAN SUSPENSORY      | FRA MEDIAN SUSPENSORY    | -0.600 | 7.6933 |      |
| BSW FORE ATTACHMENT        | FRA FORE UDDER           | -1.885 | 4.7628 |      |
| BSW FRONT TEAT PLACEMENT   | FRA FRONT TEAT PLACEMENT | -2.966 | 7.0713 |      |
| BSW TEAT LENGTH            | FRA TEAT LENGTH          | 0.547  | 5.5665 |      |
| BSW REAR ATTACHMENT HEIGHT | FRA REAR UDDER HEIGHT    | -1.381 | 6.7164 |      |
| BSW REAR ATTACHMENT WIDTH  | FRA REAR UDDER WIDTH     | -0.567 | 7.6194 |      |
| BSW REAR TEAT PLACEMENT    | FRA REAR TEAT PLACEMENT  | -1.300 | 7.2392 |      |
| BSW ANGULARITY             | FRA ANGULARITY           | -3.788 | 8.2038 |      |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
 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  | -0.290 | 3.2732 |  |
| BSW MAMMARY SYSTEM      | GBR OVERALL UDDER SCORE | 0.446  | 4.6056 |  |
| BSW STATURE             | GBR STATURE             | -2.506 | 7.7927 |  |
| BSW CHEST WIDTH         | GBR CHEST WIDTH         | -0.475 | 5.8645 |  |
| BSW BODY DEPTH          | GBR BODY DEPTH          | 0.052  | 4.2161 |  |
| BSW PIN WIDTH           | GBR RUMP WIDTH          | 0.295  | 5.3069 |  |
| BSW RUMP ANGLE          | GBR RUMP ANGLE          | 0.259  | 2.9479 |  |
| BSW FOOT ANGLE          | GBR FOOT ANGLE          | 0.459  | 5.8792 |  |
| BSW REAR LEGS SIDE VIEW | GBR REAR LEG SET        | -3.020 | 5.1242 |  |
| BSW UDDER DEPTH         | GBR UDDER DEPTH         | 0.540  | 3.0520 |  |
| BSW MEDIAN SUSPENSORY   | GBR MEDIAN SUSPENSORY   | 0.402  | 2.6996 |  |
| BSW FORE ATTACHMENT     | GBR FORE UDDER          | -1.737 | 4.5358 |  |

|                            |                          |        |        |
|----------------------------|--------------------------|--------|--------|
| BSW TEAT PLACEMENT         | GBR FRONT TEAT PLACEMENT | -0.340 | 5.0874 |
| BSW TEAT LENGTH            | GBR TEAT LENGTH          | -0.014 | 3.9797 |
| BSW REAR ATTACHMENT HEIGHT | GBR REAR UDDER HEIGHT    | 0.045  | 4.2707 |
| BSW ANGULARITY             | GBR ANGULARITY           | -2.130 | 8.2864 |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
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 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=ITA

|   |   |   |   |   |   |
|---|---|---|---|---|---|
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| d | 2 | t | e | e | 2 |

  

|                            |                         |         |        |      |
|----------------------------|-------------------------|---------|--------|------|
| BSW CONFORMATION           | ITA FINAL SCORE         | -71.523 | 0.6318 | 0.66 |
| BSW FEET AND LEGS          | ITA OVERALL FEET & LEG  | -35.014 | 0.3108 |      |
| BSW MAMMARY SYSTEM         | ITA OVERALL UDDER SCORE | -62.287 | 0.5575 |      |
| BSW STATURE                | ITA STATURE             | -54.026 | 0.4819 |      |
| BSW CHEST WIDTH            | ITA STRENGTH            | -43.402 | 0.4166 |      |
| BSW BODY DEPTH             | ITA BODY DEPTH          | -38.353 | 0.3575 |      |
| BSW RUMP ANGLE             | ITA RUMP ANGLE          | -37.608 | 0.3880 |      |
| BSW FOOT ANGLE             | ITA FOOT ANGLE          | -38.120 | 0.3452 |      |
| BSW HEEL DEPTH             | ITA HEEL DEPTH          | -44.187 | 0.4122 |      |
| BSW REAR LEGS SIDE VIEW    | ITA REAR LEG SET        | -35.046 | 0.3530 |      |
| BSW UDDER DEPTH            | ITA UDDER DEPTH         | -41.960 | 0.3909 |      |
| BSW MEDIAN SUSPENSORY      | ITA MEDIAN SUSPENSORY   | -54.800 | 0.5050 |      |
| BSW FORE ATTACHMENT        | ITA FORE UDDER          | -42.599 | 0.3905 |      |
| BSW TEAT LENGTH            | ITA TEAT LENGTH         | -35.318 | 0.3628 |      |
| BSW REAR ATTACHMENT HEIGHT | ITA REAR UDDER HEIGHT   | -53.754 | 0.4773 |      |
| BSW REAR ATTACHMENT WIDTH  | ITA REAR UDDER WIDTH    | -55.018 | 0.4946 |      |
| BSW REAR TEAT PLACEMENT    | ITA REAR TEAT PLACEMENT | -45.754 | 0.4243 |      |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=NLD

|   |   |   |   |   |   |
|---|---|---|---|---|---|
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| b | n | t | v | v | c |
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| e | r | a | l | l | r |
| e | y | i | u | u | r |
| d | 2 | t | e | e | 2 |

  

|                    |                         |          |        |      |
|--------------------|-------------------------|----------|--------|------|
| BSW CONFORMATION   | NLD CONFORMATION        | -149.539 | 1.4808 | 0.61 |
| BSW FEET AND LEGS  | NLD OVERALL FEET & LEG  | -104.253 | 0.9216 |      |
| BSW MAMMARY SYSTEM | NLD OVERALL UDDER SCORE | -138.298 | 1.4745 |      |

|                            |                          |          |        |
|----------------------------|--------------------------|----------|--------|
| BSW STATURE                | NLD STATURE              | -144.517 | 1.4432 |
| BSW CHEST WIDTH            | NLD CHEST WIDTH          | -181.550 | 1.8031 |
| BSW BODY DEPTH             | NLD BODY DEPTH           | -140.983 | 1.4666 |
| BSW PIN WIDTH              | NLD RUMP WIDTH           | -145.819 | 1.6473 |
| BSW RUMP ANGLE             | NLD RUMP ANGLE           | -138.095 | 1.3616 |
| BSW FOOT ANGLE             | NLD FOOT ANGLE           | -106.865 | 0.9130 |
| BSW HEEL DEPTH             | NLD HEEL DEPTH           | -134.072 | 1.1568 |
| BSW REAR LEGS SIDE VIEW    | NLD REAR LEG SET         | -107.869 | 1.1419 |
| BSW UDDER DEPTH            | NLD UDDER DEPTH          | -142.573 | 1.4619 |
| BSW MEDIAN SUSPENSORY      | NLD MEDIAN SUSPENSORY    | -136.105 | 1.4425 |
| BSW FORE ATTACHMENT        | NLD FORE UDDER           | -128.481 | 1.3248 |
| BSW TEAT PLACEMENT         | NLD FRONT TEAT PLACEMENT | -136.181 | 1.3479 |
| BSW TEAT LENGTH            | NLD TEAT LENGTH          | -109.687 | 1.0489 |
| BSW REAR ATTACHMENT HEIGHT | NLD REAR UDDER HEIGHT    | -113.832 | 1.2564 |
| BSW REAR ATTACHMENT WIDTH  | NLD REAR UDDER WIDTH     | -114.345 | 1.2665 |
| BSW REAR TEAT PLACEMENT    | NLD REAR TEAT PLACEMENT  | -145.067 | 1.4882 |
| BSW ANGULARITY             | NLD ANGULARITY           | -152.800 | 1.6150 |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=SVN

|                            |                          |         |        |      |   |
|----------------------------|--------------------------|---------|--------|------|---|
| c                          | c                        | f       |        |      |   |
| a                          | o                        | o       |        |      |   |
| n                          | u                        | r       | a      | b    | t |
| b                          | n                        | t       | v      | v    | c |
| r                          | t                        | r       | a      | a    | o |
| e                          | r                        | a       | l      | l    | r |
| e                          | y                        | i       | u      | u    | r |
| d                          | 2                        | t       | e      | e    | 2 |
| BSW CONFORMATION           | SVN CONFORMATION         | -32.132 | 0.2190 | 0.49 |   |
| BSW FEET AND LEGS          | SVN OVERALL FEET & LEG   | -21.147 | 0.1652 |      |   |
| BSW MAMMARY SYSTEM         | SVN OVERALL UDDER SCORE  | -33.874 | 0.2400 |      |   |
| BSW STATURE                | SVN STATURE              | -47.221 | 0.3575 |      |   |
| BSW CHEST WIDTH            | SVN CHEST WIDTH          | -32.174 | 0.3383 |      |   |
| BSW BODY DEPTH             | SVN BODY DEPTH           | -23.027 | 0.2005 |      |   |
| BSW PIN WIDTH              | SVN RUMP WIDTH           | -24.772 | 0.2192 |      |   |
| BSW RUMP ANGLE             | SVN RUMP ANGLE           | -23.919 | 0.2598 |      |   |
| BSW FOOT ANGLE             | SVN FOOT ANGLE           | -22.964 | 0.1806 |      |   |
| BSW HEEL DEPTH             | SVN HEEL DEPTH           | -21.386 | 0.1864 |      |   |
| BSW REAR LEGS SIDE VIEW    | SVN REAR LEG SET         | -23.438 | 0.2512 |      |   |
| BSW UDDER DEPTH            | SVN UDDER DEPTH          | -30.440 | 0.2526 |      |   |
| BSW MEDIAN SUSPENSORY      | SVN MEDIAN SUSPENSORY    | -31.266 | 0.2496 |      |   |
| BSW FORE ATTACHMENT        | SVN FORE UDDER           | -23.190 | 0.1641 |      |   |
| BSW TEAT PLACEMENT         | SVN FRONT TEAT PLACEMENT | -40.389 | 0.3288 |      |   |
| BSW TEAT LENGTH            | SVN TEAT LENGTH          | -22.870 | 0.2540 |      |   |
| BSW REAR ATTACHMENT HEIGHT | SVN REAR UDDER HEIGHT    | -39.549 | 0.3070 |      |   |
| BSW REAR ATTACHMENT WIDTH  | SVN REAR UDDER WIDTH     | -45.461 | 0.3608 |      |   |
| BSW REAR TEAT PLACEMENT    | SVN REAR TEAT PLACEMENT  | -42.754 | 0.3491 |      |   |

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Conversion Factors For Type. Source = INTERBULL MACE 1512  
 Converted Canadian Proof = A + (B\* Foreign Proof)  
 Converted Proof Reliability = TCORR2\*Foreign Reliability

country2=USA

| c<br>a<br>n<br>b t<br>r r<br>e a<br>e i<br>d t | c f<br>o o<br>u r<br>n t<br>t r<br>r a<br>y i<br>2 t | a<br>v<br>a<br>l<br>u<br>e | b<br>v<br>a<br>l<br>u<br>e | t<br>c<br>o<br>r<br>r<br>e<br>c<br>t |
|--|--|----------------------------|----------------------------|--------------------------------------|
| BSW CONFORMATION                               | USA PTA TYPE (FINAL SCORE)                           | 2.716                      | 11.4130                    | 0.76                                 |
| BSW FEET AND LEGS                              | USA OVERALL FEET & LEG                               | -0.129                     | 4.7285                     |                                      |
| BSW MAMMARY SYSTEM                             | USA OVERALL UDDER SCORE                              | 1.927                      | 6.6241                     |                                      |
| BSW STATURE                                    | USA STATURE  | 0.823                      | 4.5628                     |                                      |
| BSW CHEST WIDTH                                | USA STRENGTH   | 0.693                      | 10.2342                    |                                      |
| BSW PIN WIDTH                                  | USA RUMP WIDTH                                       | 1.836                      | 9.6331                     |                                      |
| BSW RUMP ANGLE                                 | USA RUMP ANGLE                                       | -1.111                     | 5.7510                     |                                      |
| BSW FOOT ANGLE                                 | USA FOOT ANGLE                                       | -0.147                     | 9.6722                     |                                      |
| BSW REAR LEGS SIDE VIEW                        | USA REAR LEG SET                                     | 0.668                      | 9.3103                     |                                      |
| BSW UDDER DEPTH                                | USA UDDER DEPTH                                      | 0.824                      | 5.2444                     |                                      |
| BSW MEDIAN SUSPENSORY                          | USA UDDER CLEFT                                      | 2.206                      | 6.5862                     |                                      |
| BSW FORE ATTACHMENT                            | USA FORE UDDER ATTACHMENT                            | 1.902                      | 5.5216                     |                                      |
| BSW FRONT TEAT PLACEMENT                       | USA FRONT TEAT PLACEMENT                             | 0.625                      | 5.5741                     |                                      |
| BSW TEAT LENGTH                                | USA TEAT LENGTH                                      | 0.093                      | 3.8165                     |                                      |
| BSW REAR ATTACHMENT HEIGHT                     | USA REAR UDDER HEIGHT                                | 1.269                      | 5.8399                     |                                      |
| BSW REAR ATTACHMENT WIDTH                      | USA REAR UDDER WIDTH                                 | 1.980                      | 7.9476                     |                                      |
| BSW ANGULARITY                                 | USA ANGULARITY                                       | 2.076                      | 6.4859                     |                                      |

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CALCULATION OF FAT% AND PROTEIN% FOR DECEMBER 2015

| BREED | BMILK | BFAT | BPRT |
|-------|-------|------|------|
| AYS   | 7548  | 311  | 255  |
| BSW   | 8067  | 338  | 285  |
| CN    | 5354  | 233  | 189  |
| GUE   | 6631  | 306  | 230  |
| JER   | 6418  | 320  | 245  |
| HOL   | 9934  | 379  | 318  |
| MS    | 6942  | 262  | 226  |

$$\text{EBVFAT\%} = 200 * [ (\text{BFAT} + \text{EBVFAT} * 0.5) / (\text{BMILK} + \text{EBVMILK} * 0.5) - (\text{BFAT} / \text{BMILK}) ]$$
$$\text{EBVPROT\%} = 200 * [ (\text{BPRT} + \text{EBVPRT} * 0.5) / (\text{BMILK} + \text{EBVMILK} * 0.5) - (\text{BPRT} / \text{BMILK}) ]$$

EXAMPLE :

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

$$\begin{aligned} \text{EBVFAT\%} &= 200 * [ (379 + 50 * .5) / (9934 + 1000 * .5) - (379 / 9934) ] \\ &= 200 * [ (379 + 25) / (9934 + 500) - (0.03815) ] \\ &= 200 * [ 0.03872 - 0.03815 ] \\ &= 200 * 0.00057 \\ &= 0.11 \end{aligned}$$

$$\text{EBVPROT\%} = 200 * [ (318 + 40 * .5) / (9934 + 1000 * .5) - (318 / 9934) ]$$

$$\begin{aligned} &= 200 * [(318+20)/(9934+500)-(0.03201)] \\ &= 200 * [ 0.03239 - 0.03201 ] \\ &= 200 * 0.00038 \\ &= 0.08 \end{aligned}$$