

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2015

Nova Scotia

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 10 | 570 | -164 | -16.2 | -12.2 | -0.11 | -0.06 | 97.1 | 3.14 | -2.3 | -3.1 | -0.6 | -3.1 | 0.5 | 99.7 | 101.7 | 101.0 |
| 2003 | 7 | 722 | -107 | -5.3 | -6.1 | -0.01 | -0.02 | 100.0 | 3.03 | -1.4 | 0.1 | -0.3 | -1.6 | 1.0 | 100.0 | 99.4 | 100.9 |
| 2004 | 7 | 720 | -209 | -5.1 | -7.6 | 0.05 | 0.01 | 94.7 | 3.14 | -2.1 | -0.6 | -0.1 | -3.1 | 1.6 | 100.0 | 102.7 | 101.8 |
| 2005 | 7 | 722 | -91 | -2.4 | -6.3 | 0.02 | -0.03 | 101.7 | 2.97 | -3.7 | -3.3 | -0.1 | -4.4 | -0.4 | 99.9 | 100.0 | 96.5 |
| 2006 | 12 | 935 | 194 | 3.9 | 1.9 | -0.05 | -0.06 | 97.1 | 3.12 | 1.3 | 3.1 | 3.0 | -0.5 | 1.8 | 100.5 | 102.7 | 100.3 |
| 2007 | 6 | 893 | 77 | -4.2 | 1.3 | -0.09 | -0.02 | 102.3 | 2.82 | -1.3 | 0.0 | 1.2 | -2.8 | 0.2 | 102.2 | 100.8 | 100.0 |
| 2008 | 7 | 969 | -41 | 4.1 | 1.7 | 0.07 | 0.04 | 95.9 | 3.04 | 1.9 | 2.4 | 1.9 | 0.3 | 3.3 | 100.6 | 100.9 | 101.0 |
| 2009 | 8 | 1056 | 73 | 9.6 | 6.5 | 0.08 | 0.04 | 100.6 | 2.97 | 1.6 | 2.1 | 1.1 | 0.5 | 3.6 | 101.6 | 99.9 | 102.3 |
| 2010 | 11 | 880 | -113 | -0.5 | -0.6 | 0.04 | 0.04 | 100.8 | 3.02 | 2.9 | 2.8 | 1.6 | 1.9 | 1.7 | 100.3 | 97.9 | 100.0 |
| 2011 | 5 | 943 | -184 | -4.8 | -4.6 | 0.04 | 0.03 | 103.2 | 2.96 | 2.6 | 2.0 | 1.6 | 2.0 | 2.2 | 102.2 | 101.4 | 102.4 |
| 2012 | 10 | 1091 | 67 | 4.6 | 5.2 | 0.02 | 0.03 | 99.6 | 2.94 | 4.0 | 4.5 | 4.2 | 2.6 | 4.4 | 102.6 | 99.9 | 102.6 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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Canadian Dairy Network, August 2015

New Brunswick

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|------|---------|-------|----------|-------|------|------|------|-----|------|------|-------|-------|-------|
| 2006 | 1 | 962 | 458 | 11.0 | 18.0 | -0.10 | -0.01 | 100.0 | 3.10 | 1.0 | 0.0 | 1.0 | -2.0 | 3.0 | 95.0 | 97.0 | 95.0 |
| 2007 | 2 | 621 | -68 | -6.0 | 1.0 | -0.04 | 0.05 | 99.5 | 3.08 | -1.5 | 1.5 | 1.5 | -2.5 | -7.0 | 95.5 | 97.0 | 94.0 |
| 2008 | 3 | 991 | 523 | 11.0 | 8.7 | -0.12 | -0.12 | 100.3 | 2.79 | -0.7 | -2.3 | 1.0 | -2.3 | 1.0 | 100.3 | 98.7 | 98.0 |
| 2009 | 4 | 1171 | -48 | 5.5 | 3.5 | 0.09 | 0.06 | 98.0 | 2.85 | 1.8 | 0.5 | 1.5 | 1.5 | 1.3 | 104.3 | 105.0 | 101.5 |
| 2010 | 2 | 1311 | -153 | 12.5 | 11.0 | 0.23 | 0.19 | 104.0 | 2.83 | 2.0 | -0.5 | 1.0 | 0.0 | 3.0 | 105.0 | 104.5 | 104.5 |
| 2011 | 1 | 837 | 818 | 1.0 | 15.0 | -0.38 | -0.17 | 101.0 | 2.89 | 2.0 | 2.0 | 5.0 | 0.0 | 1.0 | 96.0 | 91.0 | 94.0 |
| 2012 | 5 | 1167 | 116 | 9.0 | 8.0 | 0.06 | 0.04 | 100.0 | 2.86 | 4.2 | 3.0 | 2.2 | 3.2 | 3.4 | 102.0 | 101.0 | 99.0 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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Canadian Dairy Network, August 2015

Quebec

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|------|---------|-------|----------|------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 312 | 676 | -133 | -9.2 | -8.5 | -0.04 | -0.04 | 96.4 | 3.06 | -2.5 | -2.1 | -1.2 | -2.6 | 0.6 | 100.1 | 101.5 | 100.6 |
| 2003 | 371 | 737 | -120 | -7.5 | -7.0 | -0.03 | -0.02 | 96.6 | 3.09 | -1.1 | -0.7 | -0.1 | -1.5 | 0.9 | 100.4 | 101.8 | 101.5 |
| 2004 | 357 | 771 | -59 | -4.9 | -5.4 | -0.03 | -0.03 | 96.7 | 3.08 | -1.3 | -0.5 | 0.1 | -1.8 | 1.1 | 100.4 | 102.1 | 100.9 |
| 2005 | 356 | 762 | -51 | -5.2 | -4.6 | -0.03 | -0.03 | 97.3 | 3.08 | -1.2 | -0.3 | 0.6 | -1.8 | 0.2 | 100.0 | 101.2 | 100.0 |
| 2006 | 384 | 831 | -60 | -3.0 | -2.3 | -0.00 | 0.00 | 97.9 | 3.03 | -1.2 | -0.4 | 0.4 | -1.8 | 0.9 | 100.6 | 102.0 | 100.4 |
| 2007 | 369 | 888 | 4 | 0.3 | 0.4 | 0.00 | 0.00 | 98.9 | 2.99 | -0.9 | -0.1 | 0.1 | -1.3 | 0.7 | 100.8 | 101.2 | 100.7 |
| 2008 | 350 | 921 | -58 | -0.6 | -0.4 | 0.03 | 0.02 | 98.5 | 2.98 | 0.4 | 0.2 | 0.6 | -0.1 | 1.7 | 101.5 | 101.2 | 101.2 |
| 2009 | 362 | 907 | -0 | -0.3 | -0.0 | -0.00 | 0.00 | 98.2 | 3.01 | 0.5 | 0.5 | 0.2 | 0.3 | 0.9 | 100.9 | 101.0 | 100.4 |
| 2010 | 343 | 1034 | 116 | 3.8 | 4.7 | -0.01 | 0.00 | 98.7 | 2.98 | 1.4 | 1.0 | 0.8 | 1.4 | 1.3 | 102.1 | 101.6 | 101.9 |
| 2011 | 354 | 1047 | 109 | 4.7 | 5.0 | 0.00 | 0.01 | 99.5 | 2.98 | 1.8 | 1.4 | 1.4 | 1.5 | 1.2 | 101.8 | 101.6 | 101.0 |
| 2012 | 288 | 1011 | 100 | 4.2 | 4.4 | -0.00 | 0.01 | 99.2 | 2.98 | 1.5 | 1.2 | 1.4 | 1.3 | 1.3 | 101.4 | 100.7 | 100.2 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2015

Ontario

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 273 | 711 | -146 | -7.5 | -7.9 | -0.01 | -0.02 | 97.0 | 3.02 | -2.0 | -1.6 | -1.3 | -2.2 | 1.6 | 100.1 | 101.4 | 100.8 |
| 2003 | 303 | 754 | -17 | -3.9 | -3.7 | -0.03 | -0.03 | 97.6 | 3.05 | -1.8 | -1.2 | -0.8 | -2.2 | 1.3 | 99.6 | 100.9 | 100.4 |
| 2004 | 288 | 806 | -24 | -1.7 | -2.4 | -0.01 | -0.01 | 97.7 | 3.04 | -1.3 | -0.8 | -0.5 | -1.7 | 0.9 | 100.0 | 101.0 | 100.6 |
| 2005 | 281 | 789 | -47 | -2.2 | -2.5 | -0.00 | -0.01 | 97.8 | 3.06 | -1.3 | -0.2 | 0.2 | -2.0 | 0.6 | 99.7 | 100.9 | 100.2 |
| 2006 | 338 | 848 | 2 | 1.0 | 0.7 | 0.01 | 0.01 | 97.8 | 3.03 | -1.2 | -0.2 | -0.0 | -1.9 | 1.0 | 99.8 | 100.9 | 99.9 |
| 2007 | 283 | 925 | 34 | 3.4 | 2.4 | 0.02 | 0.01 | 98.9 | 3.00 | -0.3 | 0.2 | -0.2 | -0.7 | 1.0 | 100.5 | 100.9 | 100.8 |
| 2008 | 310 | 941 | 31 | 2.8 | 2.0 | 0.02 | 0.01 | 99.3 | 2.99 | 0.2 | 0.0 | 0.3 | -0.2 | 1.9 | 101.0 | 100.7 | 101.3 |
| 2009 | 268 | 966 | 77 | 3.3 | 2.4 | 0.00 | -0.01 | 99.2 | 2.99 | 1.0 | 0.7 | 0.4 | 0.6 | 1.7 | 101.2 | 100.7 | 101.0 |
| 2010 | 260 | 1048 | 95 | 6.2 | 6.0 | 0.03 | 0.03 | 100.2 | 2.93 | 1.1 | 0.7 | 0.5 | 0.9 | 1.8 | 101.6 | 100.6 | 101.3 |
| 2011 | 240 | 1011 | 98 | 3.6 | 4.4 | -0.00 | 0.01 | 99.4 | 2.98 | 1.4 | 0.9 | 1.1 | 1.3 | 1.7 | 101.4 | 100.7 | 100.6 |
| 2012 | 231 | 1066 | 149 | 6.1 | 6.5 | 0.00 | 0.01 | 100.2 | 2.97 | 1.9 | 1.3 | 1.6 | 1.6 | 1.8 | 101.7 | 100.9 | 100.8 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Brown Swiss cows
Canadian Dairy Network, August 2015

Manitoba

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|-----|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 90 | 579 | -323 | -14.4 | -13.9 | -0.01 | -0.02 | 97.3 | 3.07 | -2.0 | -1.6 | -1.7 | -1.8 | 0.5 | 99.2 | 100.8 | 100.6 |
| 2003 | 88 | 682 | -124 | -8.1 | -5.4 | -0.03 | -0.00 | 99.4 | 3.04 | -1.6 | -0.9 | -1.5 | -1.6 | 0.5 | 98.3 | 99.7 | 99.4 |
| 2004 | 79 | 715 | -91 | -6.6 | -6.3 | -0.03 | -0.03 | 97.9 | 3.04 | -0.6 | 0.1 | -0.7 | -0.9 | 1.5 | 99.3 | 99.7 | 100.4 |
| 2005 | 97 | 675 | -202 | -12.1 | -9.2 | -0.04 | -0.01 | 98.4 | 3.06 | -0.4 | -0.5 | -0.3 | -0.7 | 1.0 | 99.4 | 99.7 | 98.8 |
| 2006 | 101 | 791 | -52 | -6.3 | -3.2 | -0.05 | -0.01 | 99.0 | 3.03 | 0.5 | 0.5 | 0.0 | -0.2 | 2.3 | 99.6 | 99.3 | 99.8 |
| 2007 | 82 | 791 | -149 | -8.1 | -5.2 | -0.02 | 0.01 | 98.6 | 3.04 | 1.1 | 0.4 | -0.2 | 0.9 | 2.2 | 99.9 | 99.8 | 101.2 |
| 2008 | 90 | 871 | -95 | -2.1 | -2.9 | 0.02 | 0.01 | 98.6 | 3.02 | 1.1 | 1.1 | 0.0 | 0.6 | 3.5 | 100.2 | 100.9 | 101.7 |
| 2009 | 79 | 853 | -106 | -5.1 | -4.9 | -0.01 | -0.01 | 98.2 | 3.00 | 1.5 | 1.0 | 0.7 | 0.9 | 2.9 | 100.8 | 101.0 | 101.6 |
| 2010 | 64 | 845 | -43 | -6.2 | -4.5 | -0.05 | -0.03 | 100.0 | 3.01 | 1.5 | 1.1 | 0.7 | 1.1 | 3.2 | 100.6 | 101.5 | 101.2 |
| 2011 | 67 | 948 | -30 | -0.3 | -1.3 | 0.01 | 0.00 | 98.0 | 2.99 | 3.2 | 3.1 | 1.8 | 2.6 | 3.2 | 101.0 | 100.9 | 101.6 |
| 2012 | 61 | 922 | -13 | -2.9 | -2.4 | -0.03 | -0.02 | 99.9 | 2.98 | 2.1 | 1.1 | 1.2 | 2.0 | 2.3 | 101.5 | 101.7 | 101.7 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Brown Swiss cows
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Saskatchewan

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 1 | 962 | 419 | 7.0 | 6.0 | -0.12 | -0.11 | 108.0 | 2.88 | 2.0 | -2.0 | 0.0 | 3.0 | 1.0 | 100.0 | 94.0 | 96.0 |
| 2005 | 6 | 666 | -115 | -6.0 | -3.2 | -0.01 | 0.02 | 95.7 | 3.10 | -1.8 | 0.3 | 1.2 | -3.3 | -0.2 | 98.0 | 99.0 | 97.6 |
| 2006 | 3 | 527 | -260 | -8.3 | -9.0 | 0.04 | 0.01 | 96.3 | 3.12 | -8.0 | -4.7 | -1.3 | -8.0 | 1.3 | 98.0 | 100.5 | 96.0 |
| 2007 | 6 | 822 | 99 | -7.2 | 3.3 | -0.14 | -0.01 | 97.7 | 3.25 | 1.2 | 1.5 | 3.7 | 0.3 | -1.3 | 99.2 | 101.8 | 100.5 |
| 2008 | 4 | 862 | 406 | 3.5 | 1.8 | -0.16 | -0.15 | 99.5 | 3.09 | -0.3 | 2.0 | 0.0 | -1.3 | 0.8 | 98.8 | 103.0 | . |
| 2009 | 2 | 816 | 160 | 1.5 | -1.0 | -0.06 | -0.08 | 98.0 | 3.01 | -5.5 | -5.5 | -2.0 | -5.0 | 3.0 | 101.0 | 102.0 | . |
| 2010 | 1 | 1080 | 365 | -11.0 | 12.0 | -0.31 | -0.02 | 95.0 | 2.86 | 4.0 | 3.0 | 7.0 | 2.0 | 2.0 | 103.0 | 99.0 | 102.0 |
| 2011 | 3 | 853 | 104 | 2.7 | 5.0 | -0.02 | 0.01 | 99.7 | 3.05 | 1.0 | 2.3 | 3.7 | 0.0 | 0.0 | 98.0 | 96.7 | 95.5 |
| 2012 | 2 | 709 | -229 | -18.5 | -17.5 | -0.11 | -0.10 | 100.0 | 2.91 | 1.5 | -1.5 | 2.5 | 1.0 | 2.0 | 102.5 | 102.0 | 100.0 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

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Alberta

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|-------|---------|-------|----------|------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 24 | 566 | -115 | -16.0 | -10.8 | -0.13 | -0.07 | 96.0 | 3.08 | -2.5 | -1.6 | -3.3 | -2.2 | 1.0 | 98.7 | 100.3 | 99.5 |
| 2003 | 47 | 681 | -111 | -8.3 | -7.4 | -0.04 | -0.03 | 96.7 | 3.06 | -1.5 | -1.4 | -1.3 | -1.8 | 1.5 | 99.4 | 100.0 | 99.7 |
| 2004 | 59 | 891 | 252 | 3.4 | 5.8 | -0.08 | -0.04 | 97.4 | 3.03 | -1.5 | -0.7 | -0.6 | -1.8 | 1.3 | 99.3 | 100.4 | 97.9 |
| 2005 | 44 | 866 | 437 | 3.8 | 7.3 | -0.16 | -0.10 | 97.4 | 3.03 | -1.9 | 0.1 | -2.0 | -2.1 | 2.8 | 98.1 | 99.3 | 96.7 |
| 2006 | 55 | 878 | 310 | 2.1 | 5.5 | -0.12 | -0.07 | 97.6 | 3.02 | -1.2 | 0.3 | -1.7 | -1.5 | 2.0 | 98.7 | 100.4 | 98.6 |
| 2007 | 29 | 760 | -102 | -7.6 | -6.4 | -0.03 | -0.02 | 96.9 | 3.04 | -1.3 | -0.7 | -0.2 | -2.0 | 2.1 | 100.3 | 102.5 | 102.0 |
| 2008 | 28 | 921 | 380 | 4.5 | 7.4 | -0.13 | -0.08 | 98.4 | 3.02 | 0.3 | 0.3 | 0.3 | 0.2 | 3.1 | 98.5 | 97.1 | 98.6 |
| 2009 | 39 | 875 | 171 | -0.1 | 3.3 | -0.09 | -0.04 | 98.6 | 3.04 | -0.6 | 0.1 | -0.8 | -0.7 | 1.5 | 99.3 | 100.0 | 98.3 |
| 2010 | 19 | 970 | 260 | -0.4 | 2.3 | -0.11 | -0.07 | 97.6 | 2.96 | -0.3 | -0.7 | -0.5 | -0.1 | 1.8 | 101.9 | 102.5 | 101.6 |
| 2011 | 10 | 1108 | 319 | 4.6 | 4.4 | -0.10 | -0.08 | 98.5 | 2.85 | -0.2 | 0.3 | 0.6 | -0.8 | 5.0 | 103.6 | 105.7 | 102.6 |
| 2012 | 7 | 1068 | 320 | 10.3 | 8.7 | -0.02 | -0.04 | 99.0 | 2.98 | -0.1 | -0.3 | 0.9 | -0.9 | 2.6 | 101.7 | 102.5 | 98.0 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.

Provincial genetic trends by birth year for Brown Swiss cows
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British Columbia

| Year | Cows | LPI | Milk | Fat | Protein | Fat% | Protein% | Pers | SCS | Conf | DS | F&L | MS | Rump | HL | DF | DCA |
|------|------|------|------|-------|---------|-------|----------|-------|------|------|------|------|------|------|-------|-------|-------|
| 2002 | 9 | 779 | -24 | -3.6 | -2.7 | -0.06 | -0.02 | 95.9 | 3.06 | -0.6 | -0.2 | -0.3 | -0.9 | 1.6 | 99.0 | 101.0 | 99.6 |
| 2003 | 13 | 838 | 183 | 4.4 | 0.4 | -0.03 | -0.07 | 97.5 | 3.00 | -3.7 | -2.5 | -1.4 | -3.5 | 0.9 | 100.2 | 101.5 | 99.8 |
| 2004 | 21 | 705 | -148 | -7.3 | -7.0 | -0.01 | -0.02 | 98.9 | 3.00 | -1.6 | -0.7 | -1.0 | -2.0 | 0.7 | 99.5 | 99.9 | 98.6 |
| 2005 | 7 | 726 | -203 | -9.4 | -5.6 | -0.02 | 0.02 | 97.6 | 3.13 | 2.0 | 3.3 | 1.4 | 0.7 | 0.9 | 98.9 | 99.0 | 100.0 |
| 2006 | 19 | 804 | -150 | -3.5 | -6.5 | 0.04 | -0.01 | 99.1 | 2.98 | 0.0 | -0.2 | -1.2 | 0.3 | 1.5 | 100.4 | 100.6 | 100.4 |
| 2007 | 34 | 728 | -298 | -13.4 | -10.0 | -0.02 | 0.01 | 98.0 | 3.04 | 1.3 | 0.9 | 0.7 | 0.6 | 3.3 | 100.4 | 99.8 | 97.0 |
| 2008 | 20 | 791 | -142 | -9.5 | -5.8 | -0.04 | -0.00 | 98.3 | 3.11 | 2.0 | 2.2 | 1.6 | 1.1 | 3.3 | 100.2 | 102.0 | 102.4 |
| 2009 | 30 | 899 | 38 | -4.7 | -2.0 | -0.08 | -0.04 | 99.9 | 3.01 | 3.0 | 3.9 | 1.9 | 2.3 | 2.9 | 100.7 | 101.4 | 100.4 |
| 2010 | 37 | 889 | 27 | -0.7 | -2.2 | -0.03 | -0.04 | 100.2 | 3.01 | 2.6 | 3.4 | 1.4 | 2.1 | 3.2 | 100.2 | 99.0 | 98.3 |
| 2011 | 16 | 1010 | 193 | 0.2 | 4.5 | -0.10 | -0.04 | 101.2 | 2.93 | 2.4 | 2.6 | 2.1 | 1.9 | 1.8 | 101.8 | 99.3 | 99.8 |
| 2012 | 26 | 1109 | -22 | 1.2 | 3.4 | 0.03 | 0.05 | 100.3 | 2.94 | 2.9 | 0.2 | 1.7 | 2.9 | 3.1 | 103.7 | 102.7 | 99.7 |

Notes:

1. Based on all cows with both production and type indexes.
2. Production in kg EBV units and conformation in EBV points.
3. Conformation indexes based on first lactation classifications of each cow.