

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Prince Edward Island

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 61 | 0 | 6588 | 259.7 | . |
| 1976 | 69 | 1 | 6645 | 263.1 | 183.0 |
| 1977 | 91 | 11 | 6443 | 262.7 | 187.6 |
| 1978 | 133 | 7 | 6258 | 251.0 | 220.4 |
| 1979 | 120 | 13 | 6648 | 268.2 | 264.4 |
| 1980 | 146 | 24 | 6535 | 265.8 | 240.3 |
| 1981 | 95 | 24 | 6806 | 282.9 | 251.6 |
| 1982 | 139 | 65 | 6484 | 264.4 | 235.2 |
| 1983 | 145 | 142 | 6737 | 266.3 | 229.7 |
| 1984 | 125 | 125 | 7129 | 281.9 | 239.7 |
| 1985 | 118 | 118 | 7102 | 283.8 | 246.7 |
| 1986 | 122 | 122 | 7058 | 279.0 | 242.2 |
| 1987 | 121 | 121 | 7173 | 282.7 | 240.5 |
| 1988 | 122 | 122 | 7249 | 290.5 | 245.3 |
| 1989 | 111 | 111 | 7578 | 307.7 | 251.2 |
| 1990 | 113 | 113 | 7442 | 298.8 | 241.5 |
| 1991 | 117 | 117 | 7334 | 297.7 | 243.3 |
| 1992 | 125 | 125 | 7415 | 296.2 | 243.2 |
| 1993 | 115 | 115 | 7563 | 300.2 | 254.0 |
| 1994 | 109 | 109 | 7400 | 298.5 | 247.4 |
| 1995 | 144 | 144 | 7167 | 283.3 | 242.7 |
| 1996 | 133 | 133 | 7837 | 315.9 | 262.2 |
| 1997 | 121 | 121 | 8343 | 345.4 | 282.8 |
| 1998 | 116 | 116 | 8329 | 336.8 | 278.5 |
| 1999 | 109 | 109 | 8353 | 338.8 | 281.2 |
| 2000 | 103 | 103 | 8226 | 327.7 | 270.9 |
| 2001 | 94 | 94 | 8251 | 332.8 | 272.3 |
| 2002 | 89 | 89 | 8378 | 340.5 | 271.5 |
| 2003 | 74 | 74 | 8326 | 333.8 | 274.2 |
| 2004 | 50 | 50 | 8010 | 332.7 | 267.6 |
| 2005 | 48 | 48 | 8225 | 347.0 | 277.4 |
| 2006 | 57 | 57 | 8466 | 354.5 | 283.8 |
| 2007 | 63 | 63 | 8625 | 360.5 | 290.6 |
| 2008 | 35 | 35 | 8891 | 371.1 | 304.6 |
| 2009 | 39 | 39 | 8902 | 375.7 | 306.9 |
| 2010 | 44 | 44 | 9133 | 391.3 | 312.2 |
| 2011 | 51 | 51 | 9083 | 385.6 | 310.8 |
| 2012 | 58 | 58 | 9156 | 390.7 | 308.2 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

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Prince Edward Island

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 49 | 49 | 9268 | 386.8 | 316.6 |
| 2014 | 22 | 22 | 9208 | 398.7 | 306.4 |
| 2015 | 37 | 37 | 9103 | 391.4 | 312.3 |
| 2016 | 52 | 52 | 9324 | 394.3 | 312.9 |
| 2017 | 2 | 2 | 8476 | 388.0 | 288.0 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Nova Scotia

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 110 | 0 | 6348 | 250.1 | . |
| 1976 | 83 | 0 | 6473 | 251.5 | . |
| 1977 | 94 | 0 | 6190 | 253.7 | . |
| 1978 | 108 | 0 | 6526 | 259.4 | . |
| 1979 | 118 | 21 | 6211 | 246.4 | 226.9 |
| 1980 | 115 | 43 | 6310 | 257.3 | 218.6 |
| 1981 | 151 | 83 | 6495 | 258.9 | 215.9 |
| 1982 | 130 | 80 | 6539 | 261.1 | 222.5 |
| 1983 | 115 | 114 | 6796 | 270.2 | 233.4 |
| 1984 | 124 | 124 | 6856 | 266.5 | 237.0 |
| 1985 | 99 | 99 | 6944 | 269.6 | 242.0 |
| 1986 | 98 | 98 | 6749 | 256.1 | 229.9 |
| 1987 | 124 | 124 | 7119 | 268.3 | 239.6 |
| 1988 | 132 | 132 | 7280 | 275.3 | 250.7 |
| 1989 | 122 | 122 | 7332 | 279.5 | 252.2 |
| 1990 | 130 | 130 | 7107 | 280.5 | 241.7 |
| 1991 | 110 | 110 | 7238 | 280.0 | 245.6 |
| 1992 | 96 | 96 | 6870 | 266.8 | 231.2 |
| 1993 | 90 | 90 | 7187 | 274.3 | 241.3 |
| 1994 | 85 | 85 | 7568 | 290.5 | 258.9 |
| 1995 | 63 | 63 | 7602 | 286.9 | 254.1 |
| 1996 | 74 | 74 | 7815 | 299.3 | 255.4 |
| 1997 | 79 | 79 | 8106 | 311.5 | 266.6 |
| 1998 | 55 | 55 | 8456 | 328.3 | 285.2 |
| 1999 | 58 | 58 | 7922 | 303.7 | 265.8 |
| 2000 | 40 | 40 | 7775 | 296.7 | 256.1 |
| 2001 | 59 | 59 | 7931 | 304.0 | 260.7 |
| 2002 | 51 | 51 | 7839 | 303.1 | 255.9 |
| 2003 | 48 | 48 | 8094 | 312.0 | 271.5 |
| 2004 | 61 | 61 | 7427 | 280.3 | 248.8 |
| 2005 | 61 | 61 | 8047 | 308.3 | 266.6 |
| 2006 | 68 | 68 | 8263 | 319.7 | 276.2 |
| 2007 | 55 | 55 | 7812 | 312.9 | 261.9 |
| 2008 | 39 | 39 | 8433 | 349.3 | 284.4 |
| 2009 | 56 | 56 | 8918 | 365.1 | 301.3 |
| 2010 | 50 | 50 | 8091 | 336.3 | 272.2 |
| 2011 | 54 | 54 | 7807 | 329.2 | 259.2 |
| 2012 | 43 | 43 | 8576 | 353.3 | 286.5 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Nova Scotia

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 30 | 30 | 8985 | 364.1 | 305.3 |
| 2014 | 29 | 29 | 8624 | 376.6 | 303.4 |
| 2015 | 37 | 37 | 9466 | 399.2 | 332.9 |
| 2016 | 33 | 33 | 9352 | 399.2 | 328.7 |
| 2017 | 6 | 6 | 9036 | 366.3 | 299.5 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

New Brunswick

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 58 | 6 | 5717 | 231.9 | 187.0 |
| 1976 | 74 | 16 | 5946 | 234.4 | 181.0 |
| 1977 | 75 | 12 | 6035 | 244.4 | 225.9 |
| 1978 | 100 | 17 | 5981 | 237.3 | 192.9 |
| 1979 | 115 | 36 | 6331 | 254.0 | 217.8 |
| 1980 | 105 | 53 | 6369 | 251.6 | 216.6 |
| 1981 | 138 | 92 | 6601 | 257.9 | 233.3 |
| 1982 | 155 | 117 | 6484 | 251.7 | 227.6 |
| 1983 | 139 | 139 | 6721 | 258.5 | 228.6 |
| 1984 | 129 | 129 | 7044 | 274.0 | 240.3 |
| 1985 | 152 | 152 | 6848 | 263.5 | 233.5 |
| 1986 | 145 | 145 | 6909 | 266.8 | 237.9 |
| 1987 | 147 | 147 | 7011 | 269.0 | 241.0 |
| 1988 | 154 | 154 | 7047 | 272.8 | 239.4 |
| 1989 | 159 | 159 | 7506 | 294.7 | 252.7 |
| 1990 | 146 | 146 | 7350 | 286.6 | 243.4 |
| 1991 | 145 | 145 | 7425 | 288.8 | 248.5 |
| 1992 | 121 | 121 | 7534 | 297.2 | 252.0 |
| 1993 | 126 | 126 | 7268 | 286.8 | 244.2 |
| 1994 | 127 | 127 | 7570 | 298.2 | 255.0 |
| 1995 | 118 | 118 | 7464 | 288.7 | 248.5 |
| 1996 | 113 | 113 | 8068 | 310.0 | 266.3 |
| 1997 | 93 | 93 | 8050 | 314.2 | 267.1 |
| 1998 | 101 | 101 | 8400 | 323.4 | 280.7 |
| 1999 | 116 | 116 | 8522 | 329.2 | 285.8 |
| 2000 | 105 | 105 | 8541 | 334.9 | 287.8 |
| 2001 | 101 | 101 | 8366 | 323.1 | 274.9 |
| 2002 | 105 | 105 | 8316 | 314.0 | 271.0 |
| 2003 | 76 | 76 | 8247 | 312.9 | 270.7 |
| 2004 | 86 | 86 | 7845 | 307.1 | 259.1 |
| 2005 | 76 | 76 | 7366 | 293.9 | 244.5 |
| 2006 | 109 | 109 | 7521 | 296.1 | 245.6 |
| 2007 | 114 | 114 | 7525 | 300.1 | 249.2 |
| 2008 | 108 | 108 | 7610 | 305.5 | 251.4 |
| 2009 | 116 | 116 | 7632 | 306.0 | 252.2 |
| 2010 | 117 | 117 | 7284 | 301.2 | 242.9 |
| 2011 | 114 | 114 | 7422 | 304.4 | 243.4 |
| 2012 | 129 | 129 | 7674 | 317.7 | 252.8 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

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Lactanet Canada, August 2019

New Brunswick

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 123 | 123 | 7778 | 324.9 | 256.8 |
| 2014 | 106 | 106 | 8046 | 324.5 | 267.1 |
| 2015 | 126 | 126 | 7883 | 331.0 | 264.7 |
| 2016 | 125 | 125 | 8009 | 335.2 | 270.0 |
| 2017 | 22 | 22 | 8672 | 361.7 | 290.8 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Quebec

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 1741 | 478 | 5957 | 233.4 | 198.1 |
| 1976 | 1992 | 697 | 6112 | 240.7 | 203.3 |
| 1977 | 2338 | 857 | 6186 | 245.6 | 214.2 |
| 1978 | 2976 | 836 | 6161 | 245.9 | 209.2 |
| 1979 | 3466 | 1335 | 6219 | 245.4 | 216.7 |
| 1980 | 3775 | 1950 | 6350 | 249.9 | 217.2 |
| 1981 | 4062 | 2846 | 6354 | 249.4 | 215.7 |
| 1982 | 4369 | 3489 | 6478 | 251.6 | 216.6 |
| 1983 | 4448 | 4305 | 6673 | 258.7 | 226.4 |
| 1984 | 4349 | 4345 | 6813 | 266.7 | 232.2 |
| 1985 | 4400 | 4399 | 6956 | 272.2 | 239.2 |
| 1986 | 4343 | 4343 | 6990 | 276.1 | 239.6 |
| 1987 | 4406 | 4406 | 6910 | 273.9 | 236.5 |
| 1988 | 4475 | 4474 | 6945 | 271.9 | 234.9 |
| 1989 | 4095 | 4095 | 7185 | 281.3 | 241.2 |
| 1990 | 3910 | 3910 | 7094 | 280.8 | 237.8 |
| 1991 | 3787 | 3787 | 7043 | 280.4 | 237.3 |
| 1992 | 3628 | 3628 | 7182 | 284.5 | 240.3 |
| 1993 | 3394 | 3394 | 7426 | 295.5 | 250.2 |
| 1994 | 3468 | 3468 | 7462 | 297.8 | 252.2 |
| 1995 | 3469 | 3469 | 7724 | 304.9 | 257.6 |
| 1996 | 3004 | 3004 | 8075 | 318.3 | 270.3 |
| 1997 | 2834 | 2834 | 8313 | 330.3 | 280.4 |
| 1998 | 2950 | 2950 | 8443 | 336.9 | 286.3 |
| 1999 | 2857 | 2857 | 8599 | 339.1 | 288.5 |
| 2000 | 2914 | 2914 | 8577 | 337.7 | 287.3 |
| 2001 | 3170 | 3170 | 8586 | 337.4 | 287.6 |
| 2002 | 3276 | 3276 | 8615 | 340.1 | 289.8 |
| 2003 | 3024 | 3024 | 8693 | 343.1 | 291.7 |
| 2004 | 2967 | 2967 | 8674 | 343.2 | 292.1 |
| 2005 | 2937 | 2937 | 8828 | 354.4 | 299.7 |
| 2006 | 2859 | 2859 | 8734 | 352.8 | 294.3 |
| 2007 | 2713 | 2713 | 8876 | 360.7 | 299.8 |
| 2008 | 2766 | 2766 | 9098 | 367.5 | 306.9 |
| 2009 | 2922 | 2922 | 9057 | 366.8 | 305.4 |
| 2010 | 2850 | 2850 | 9166 | 372.9 | 308.7 |
| 2011 | 2718 | 2718 | 9118 | 375.6 | 307.9 |
| 2012 | 2682 | 2682 | 9167 | 379.8 | 309.2 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

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Quebec

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 2518 | 2518 | 9178 | 381.5 | 310.5 |
| 2014 | 2509 | 2509 | 9392 | 388.6 | 318.6 |
| 2015 | 2449 | 2449 | 9412 | 389.6 | 321.2 |
| 2016 | 2181 | 2181 | 9419 | 392.5 | 326.1 |
| 2017 | 712 | 712 | 9438 | 397.1 | 324.5 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Ontario

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 845 | 0 | 6156 | 246.3 | . |
| 1976 | 835 | 2 | 6272 | 252.3 | 220.5 |
| 1977 | 1049 | 20 | 6116 | 248.8 | 211.1 |
| 1978 | 1177 | 61 | 6000 | 241.5 | 204.6 |
| 1979 | 1279 | 426 | 6056 | 243.6 | 215.7 |
| 1980 | 1357 | 644 | 6208 | 246.5 | 212.9 |
| 1981 | 1372 | 700 | 6317 | 253.4 | 212.0 |
| 1982 | 1281 | 890 | 6448 | 256.3 | 219.1 |
| 1983 | 1421 | 1386 | 6496 | 255.2 | 222.5 |
| 1984 | 1497 | 1497 | 6591 | 258.1 | 224.6 |
| 1985 | 1394 | 1394 | 6813 | 268.5 | 233.2 |
| 1986 | 1343 | 1343 | 7044 | 275.2 | 240.3 |
| 1987 | 1313 | 1313 | 7068 | 273.3 | 240.1 |
| 1988 | 1340 | 1340 | 7158 | 276.3 | 242.6 |
| 1989 | 1209 | 1209 | 7554 | 295.0 | 253.6 |
| 1990 | 1217 | 1217 | 7593 | 296.9 | 254.1 |
| 1991 | 1276 | 1276 | 7665 | 298.5 | 256.4 |
| 1992 | 1124 | 1124 | 7736 | 297.8 | 258.4 |
| 1993 | 1035 | 1035 | 7867 | 307.1 | 264.0 |
| 1994 | 1010 | 1010 | 7971 | 312.6 | 265.8 |
| 1995 | 948 | 948 | 8129 | 313.0 | 269.2 |
| 1996 | 839 | 839 | 8484 | 327.2 | 279.6 |
| 1997 | 795 | 795 | 8760 | 336.6 | 287.6 |
| 1998 | 811 | 811 | 8751 | 341.3 | 290.4 |
| 1999 | 764 | 764 | 8880 | 339.3 | 293.3 |
| 2000 | 700 | 700 | 8648 | 333.5 | 287.4 |
| 2001 | 752 | 752 | 8684 | 336.6 | 287.1 |
| 2002 | 666 | 666 | 8981 | 346.9 | 296.2 |
| 2003 | 576 | 576 | 8877 | 342.8 | 291.7 |
| 2004 | 622 | 622 | 8515 | 330.1 | 284.3 |
| 2005 | 567 | 567 | 8725 | 340.6 | 292.0 |
| 2006 | 544 | 544 | 8619 | 339.6 | 290.4 |
| 2007 | 490 | 490 | 8949 | 347.1 | 299.1 |
| 2008 | 521 | 521 | 8979 | 350.2 | 300.9 |
| 2009 | 555 | 555 | 8715 | 341.4 | 291.3 |
| 2010 | 495 | 495 | 8576 | 338.4 | 287.2 |
| 2011 | 409 | 409 | 8789 | 350.6 | 296.7 |
| 2012 | 426 | 426 | 8982 | 357.5 | 302.9 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

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Ontario

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 385 | 385 | 9044 | 358.0 | 307.0 |
| 2014 | 372 | 372 | 9209 | 365.2 | 311.3 |
| 2015 | 414 | 414 | 8968 | 357.8 | 308.4 |
| 2016 | 380 | 380 | 9217 | 369.8 | 318.6 |
| 2017 | 126 | 126 | 8881 | 354.4 | 304.9 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Manitoba

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 137 | 0 | 5886 | 231.1 | . |
| 1976 | 110 | 0 | 6053 | 236.7 | . |
| 1977 | 103 | 0 | 6011 | 234.9 | . |
| 1978 | 115 | 0 | 6242 | 246.3 | . |
| 1979 | 98 | 0 | 5885 | 235.8 | . |
| 1980 | 81 | 1 | 6030 | 243.5 | 230.0 |
| 1981 | 76 | 11 | 5635 | 224.6 | 216.5 |
| 1982 | 35 | 15 | 6083 | 232.7 | 186.5 |
| 1983 | 22 | 22 | 6651 | 258.0 | 222.9 |
| 1984 | 21 | 21 | 7110 | 267.7 | 240.9 |
| 1985 | 26 | 26 | 7140 | 266.7 | 241.4 |
| 1986 | 36 | 36 | 7241 | 282.3 | 250.4 |
| 1987 | 37 | 37 | 7716 | 289.6 | 263.6 |
| 1988 | 46 | 46 | 7803 | 287.7 | 259.6 |
| 1989 | 41 | 41 | 7748 | 295.0 | 265.4 |
| 1990 | 43 | 43 | 8064 | 304.5 | 269.4 |
| 1991 | 32 | 32 | 7941 | 310.1 | 279.3 |
| 1992 | 43 | 43 | 8111 | 307.1 | 276.3 |
| 1993 | 48 | 48 | 8190 | 310.9 | 273.6 |
| 1994 | 53 | 53 | 7746 | 294.6 | 259.5 |
| 1995 | 43 | 43 | 7973 | 303.2 | 267.2 |
| 1996 | 48 | 48 | 7962 | 298.5 | 271.5 |
| 1997 | 54 | 54 | 8594 | 326.8 | 288.4 |
| 1998 | 30 | 30 | 8776 | 339.6 | 301.5 |
| 1999 | 30 | 30 | 9397 | 362.4 | 323.5 |
| 2000 | 19 | 19 | 9774 | 368.1 | 332.6 |
| 2001 | 35 | 35 | 10312 | 397.3 | 341.4 |
| 2002 | 37 | 37 | 9253 | 360.7 | 308.6 |
| 2003 | 33 | 33 | 9388 | 366.3 | 308.5 |
| 2004 | 36 | 36 | 9884 | 388.6 | 326.7 |
| 2005 | 25 | 25 | 9462 | 365.8 | 313.3 |
| 2006 | 34 | 34 | 9119 | 358.4 | 300.7 |
| 2007 | 18 | 18 | 8571 | 340.1 | 279.1 |
| 2008 | 22 | 22 | 8545 | 343.9 | 283.8 |
| 2009 | 24 | 24 | 8679 | 367.7 | 296.0 |
| 2010 | 14 | 14 | 9025 | 377.6 | 307.7 |
| 2011 | 24 | 24 | 10159 | 392.2 | 335.0 |
| 2012 | 24 | 24 | 9621 | 383.4 | 318.0 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Manitoba

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 14 | 14 | 10409 | 417.9 | 345.7 |
| 2014 | 19 | 19 | 10986 | 421.9 | 359.5 |
| 2015 | 21 | 21 | 11545 | 451.9 | 376.5 |
| 2016 | 23 | 23 | 10870 | 421.3 | 367.4 |
| 2017 | 7 | 7 | 9892 | 367.0 | 340.6 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Saskatchewan

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 82 | 0 | 6255 | 232.3 | . |
| 1976 | 101 | 0 | 6108 | 229.1 | . |
| 1977 | 115 | 0 | 6048 | 234.6 | . |
| 1978 | 140 | 0 | 5739 | 219.0 | . |
| 1979 | 130 | 11 | 5831 | 221.7 | 211.5 |
| 1980 | 130 | 46 | 6006 | 228.9 | 203.2 |
| 1981 | 146 | 88 | 6010 | 231.5 | 209.2 |
| 1982 | 112 | 108 | 6380 | 247.5 | 218.5 |
| 1983 | 86 | 83 | 6600 | 255.8 | 229.5 |
| 1984 | 92 | 92 | 7013 | 268.3 | 241.6 |
| 1985 | 99 | 99 | 6768 | 257.5 | 233.4 |
| 1986 | 109 | 109 | 7124 | 270.2 | 247.4 |
| 1987 | 106 | 106 | 6911 | 262.0 | 241.8 |
| 1988 | 118 | 118 | 7075 | 264.3 | 245.9 |
| 1989 | 63 | 63 | 6941 | 262.2 | 239.5 |
| 1990 | 91 | 91 | 7179 | 284.5 | 253.7 |
| 1991 | 58 | 58 | 7291 | 290.9 | 255.2 |
| 1992 | 64 | 64 | 7557 | 287.6 | 257.1 |
| 1993 | 53 | 53 | 7494 | 291.3 | 256.9 |
| 1994 | 24 | 24 | 6993 | 272.9 | 247.8 |
| 1995 | 22 | 22 | 7707 | 287.0 | 267.1 |
| 1996 | 21 | 21 | 8481 | 292.8 | 290.3 |
| 1997 | 36 | 36 | 8566 | 333.2 | 300.9 |
| 1998 | 27 | 27 | 8449 | 320.1 | 300.6 |
| 1999 | 16 | 16 | 8666 | 335.1 | 319.7 |
| 2000 | 30 | 30 | 8953 | 359.6 | 314.6 |
| 2001 | 35 | 35 | 8465 | 344.0 | 295.8 |
| 2002 | 14 | 14 | 7531 | 276.4 | 259.7 |
| 2003 | 8 | 8 | 6970 | 282.3 | 248.1 |
| 2004 | 5 | 5 | 7229 | 276.0 | 253.8 |
| 2005 | 7 | 7 | 6677 | 288.4 | 225.7 |
| 2006 | 5 | 5 | 6517 | 278.4 | 224.4 |
| 2007 | 4 | 4 | 5758 | 238.3 | 199.3 |
| 2008 | 2 | 2 | 5997 | 219.0 | 211.5 |
| 2015 | 5 | 5 | 5613 | 270.8 | 192.4 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Alberta

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 169 | 0 | 6656 | 273.4 | . |
| 1976 | 197 | 0 | 6600 | 273.7 | . |
| 1977 | 173 | 0 | 6706 | 280.6 | . |
| 1978 | 226 | 0 | 6776 | 277.6 | . |
| 1979 | 217 | 52 | 6699 | 271.1 | 259.3 |
| 1980 | 247 | 94 | 6632 | 268.1 | 262.4 |
| 1981 | 236 | 177 | 6841 | 271.6 | 253.7 |
| 1982 | 247 | 208 | 7064 | 282.6 | 252.2 |
| 1983 | 266 | 232 | 7026 | 280.1 | 247.5 |
| 1984 | 218 | 215 | 7294 | 291.3 | 258.1 |
| 1985 | 220 | 217 | 7292 | 283.4 | 253.2 |
| 1986 | 229 | 229 | 7621 | 301.1 | 270.3 |
| 1987 | 206 | 206 | 7703 | 301.0 | 269.4 |
| 1988 | 182 | 182 | 7427 | 289.4 | 254.0 |
| 1989 | 174 | 174 | 7969 | 307.3 | 274.7 |
| 1990 | 163 | 163 | 7989 | 311.5 | 275.6 |
| 1991 | 125 | 125 | 8135 | 314.5 | 280.0 |
| 1992 | 117 | 117 | 8520 | 322.6 | 287.0 |
| 1993 | 112 | 112 | 8446 | 327.5 | 292.2 |
| 1994 | 88 | 88 | 8737 | 333.9 | 295.0 |
| 1995 | 94 | 94 | 8623 | 328.0 | 294.4 |
| 1996 | 69 | 69 | 9178 | 351.6 | 313.9 |
| 1997 | 77 | 77 | 8849 | 335.5 | 299.5 |
| 1998 | 77 | 77 | 9318 | 353.6 | 312.8 |
| 1999 | 50 | 50 | 9240 | 346.2 | 319.7 |
| 2000 | 62 | 62 | 8629 | 322.9 | 297.7 |
| 2001 | 40 | 40 | 8235 | 302.6 | 276.6 |
| 2002 | 45 | 45 | 8577 | 329.7 | 293.2 |
| 2003 | 51 | 51 | 8264 | 304.3 | 281.8 |
| 2004 | 41 | 41 | 8704 | 323.5 | 297.6 |
| 2005 | 36 | 36 | 8407 | 304.2 | 278.5 |
| 2006 | 40 | 40 | 8370 | 316.9 | 287.7 |
| 2007 | 40 | 40 | 8729 | 318.7 | 295.3 |
| 2008 | 31 | 31 | 8976 | 327.1 | 301.0 |
| 2009 | 33 | 33 | 8887 | 338.2 | 306.9 |
| 2010 | 35 | 35 | 9552 | 381.1 | 328.6 |
| 2011 | 42 | 42 | 8754 | 334.4 | 294.2 |
| 2012 | 28 | 28 | 9006 | 348.8 | 305.3 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Alberta

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 38 | 38 | 8981 | 359.1 | 302.4 |
| 2014 | 34 | 34 | 8914 | 339.6 | 305.9 |
| 2015 | 25 | 25 | 9420 | 364.5 | 320.5 |
| 2016 | 20 | 20 | 10421 | 414.5 | 351.2 |
| 2017 | 6 | 6 | 9615 | 381.5 | 329.3 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

British Columbia

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 207 | 22 | 6375 | 257.2 | 197.8 |
| 1976 | 234 | 17 | 6261 | 251.3 | 205.5 |
| 1977 | 248 | 18 | 6625 | 267.1 | 221.6 |
| 1978 | 236 | 8 | 6377 | 259.2 | 205.9 |
| 1979 | 235 | 12 | 6508 | 264.0 | 238.1 |
| 1980 | 222 | 49 | 6726 | 273.7 | 227.7 |
| 1981 | 194 | 41 | 6624 | 270.1 | 219.6 |
| 1982 | 220 | 152 | 7135 | 285.1 | 239.2 |
| 1983 | 203 | 200 | 7143 | 280.2 | 243.0 |
| 1984 | 211 | 211 | 7238 | 282.5 | 245.4 |
| 1985 | 182 | 182 | 7472 | 292.6 | 250.9 |
| 1986 | 175 | 175 | 7388 | 292.6 | 250.1 |
| 1987 | 171 | 171 | 7568 | 302.7 | 254.5 |
| 1988 | 157 | 157 | 7390 | 296.9 | 251.5 |
| 1989 | 136 | 136 | 7536 | 298.2 | 253.9 |
| 1990 | 145 | 145 | 7817 | 309.7 | 264.5 |
| 1991 | 121 | 121 | 7730 | 306.5 | 258.0 |
| 1992 | 131 | 131 | 8064 | 321.5 | 268.2 |
| 1993 | 108 | 108 | 8158 | 324.6 | 277.1 |
| 1994 | 102 | 102 | 8412 | 328.4 | 285.7 |
| 1995 | 94 | 94 | 8308 | 319.1 | 282.1 |
| 1996 | 80 | 80 | 8898 | 347.3 | 297.9 |
| 1997 | 63 | 63 | 9146 | 359.2 | 305.0 |
| 1998 | 86 | 86 | 9053 | 354.9 | 302.7 |
| 1999 | 72 | 72 | 8717 | 343.7 | 296.2 |
| 2000 | 64 | 64 | 9023 | 356.9 | 307.9 |
| 2001 | 83 | 83 | 9253 | 359.0 | 307.1 |
| 2002 | 97 | 97 | 9124 | 345.4 | 298.2 |
| 2003 | 67 | 67 | 8839 | 348.6 | 290.0 |
| 2004 | 50 | 50 | 9979 | 385.5 | 329.6 |
| 2005 | 51 | 51 | 9559 | 380.7 | 318.2 |
| 2006 | 60 | 60 | 9164 | 369.6 | 304.3 |
| 2007 | 72 | 72 | 9172 | 356.2 | 307.3 |
| 2008 | 69 | 69 | 9153 | 362.4 | 307.8 |
| 2009 | 80 | 80 | 8779 | 341.4 | 297.0 |
| 2010 | 72 | 72 | 8836 | 345.8 | 297.8 |
| 2011 | 65 | 65 | 9164 | 361.0 | 307.0 |
| 2012 | 72 | 72 | 9138 | 362.1 | 307.2 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

British Columbia

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 2013 | 65 | 65 | 9128 | 369.9 | 308.0 |
| 2014 | 96 | 96 | 8818 | 366.7 | 294.5 |
| 2015 | 92 | 92 | 9424 | 389.3 | 318.2 |
| 2016 | 93 | 93 | 9751 | 404.8 | 324.8 |
| 2017 | 32 | 32 | 9722 | 400.9 | 323.3 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.

Provincial phenotypic trends by birth year for Ayrshire cows
Lactanet Canada, August 2019

Newfoundland

| Year | Number of Cows | | ME yields (kg) | | |
|------|----------------|---------|----------------|-------|---------|
| | Milk Fat | Protein | Milk | Fat | Protein |
| 1975 | 47 | 0 | 6615 | 263.9 | . |
| 1976 | 39 | 0 | 6666 | 270.3 | . |
| 1977 | 38 | 0 | 6579 | 260.9 | . |
| 1978 | 35 | 0 | 6383 | 259.9 | . |
| 1979 | 24 | 0 | 6447 | 257.8 | . |
| 1980 | 15 | 0 | 5907 | 232.5 | . |
| 1981 | 15 | 0 | 6627 | 270.5 | . |
| 1982 | 31 | 26 | 7146 | 278.9 | 237.2 |
| 1983 | 31 | 31 | 7094 | 281.5 | 243.2 |
| 1984 | 26 | 26 | 7582 | 297.0 | 256.5 |
| 1985 | 34 | 34 | 6931 | 278.4 | 242.2 |
| 1986 | 34 | 34 | 7536 | 295.3 | 258.1 |
| 1987 | 32 | 32 | 7586 | 295.9 | 258.7 |
| 1988 | 22 | 22 | 7464 | 293.2 | 256.5 |
| 1989 | 22 | 22 | 7400 | 295.2 | 256.3 |
| 1990 | 18 | 18 | 7182 | 296.7 | 248.3 |
| 1991 | 25 | 25 | 7809 | 322.8 | 269.5 |
| 1992 | 24 | 24 | 8440 | 338.0 | 288.6 |
| 1993 | 22 | 22 | 8179 | 331.2 | 280.0 |
| 1994 | 25 | 25 | 7901 | 306.8 | 263.2 |
| 1995 | 28 | 28 | 7443 | 287.5 | 246.2 |
| 1996 | 14 | 14 | 8472 | 316.9 | 283.6 |
| 1997 | 15 | 15 | 9721 | 372.7 | 316.1 |
| 1998 | 26 | 26 | 9620 | 355.7 | 316.7 |
| 1999 | 18 | 18 | 8680 | 304.9 | 290.2 |
| 2000 | 16 | 16 | 9161 | 326.9 | 302.1 |
| 2001 | 22 | 22 | 8223 | 300.9 | 268.2 |
| 2002 | 18 | 18 | 8672 | 313.1 | 286.6 |
| 2003 | 8 | 8 | 9706 | 361.0 | 325.3 |

Notes:

1. Based on lactation records qualifying for genetic evaluation.
2. Only using first lactation records for 2-yr-old animals.