

**National phenotypic trends by birth year for Ayrshire cows**  
**Canadian Dairy Network, August 2013**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 3457           | 506     | 6098      | 241.2 | 197.9   |
| 1976 | 3734           | 733     | 6202      | 246.1 | 202.9   |
| 1977 | 4324           | 918     | 6214      | 249.1 | 214.1   |
| 1978 | 5246           | 929     | 6159      | 246.5 | 208.6   |
| 1979 | 5802           | 1906    | 6210      | 246.7 | 218.2   |
| 1980 | 6193           | 2904    | 6335      | 250.7 | 217.9   |
| 1981 | 6485           | 4062    | 6372      | 251.9 | 217.2   |
| 1982 | 6719           | 5150    | 6516      | 255.1 | 219.7   |
| 1983 | 6876           | 6654    | 6669      | 259.8 | 227.1   |
| 1984 | 6792           | 6785    | 6811      | 266.7 | 232.4   |
| 1985 | 6724           | 6720    | 6949      | 272.1 | 238.7   |
| 1986 | 6634           | 6634    | 7035      | 276.8 | 241.2   |
| 1987 | 6663           | 6663    | 7001      | 275.3 | 239.3   |
| 1988 | 6748           | 6747    | 7035      | 274.3 | 238.3   |
| 1989 | 6132           | 6132    | 7308      | 285.9 | 245.8   |
| 1990 | 5976           | 5976    | 7259      | 286.3 | 243.6   |
| 1991 | 5796           | 5796    | 7248      | 286.7 | 244.0   |
| 1992 | 5473           | 5473    | 7370      | 289.6 | 246.5   |
| 1993 | 5103           | 5103    | 7560      | 299.0 | 254.7   |
| 1994 | 5091           | 5091    | 7610      | 301.7 | 256.5   |
| 1995 | 5023           | 5023    | 7805      | 305.7 | 260.3   |
| 1996 | 4395           | 4395    | 8176      | 320.1 | 272.8   |
| 1997 | 4167           | 4167    | 8423      | 331.9 | 282.4   |
| 1998 | 4279           | 4279    | 8535      | 338.0 | 287.9   |
| 1999 | 4090           | 4090    | 8650      | 338.5 | 289.7   |
| 2000 | 4053           | 4053    | 8590      | 336.6 | 287.6   |
| 2001 | 4391           | 4391    | 8602      | 336.8 | 287.2   |
| 2002 | 4398           | 4398    | 8662      | 339.9 | 289.8   |
| 2003 | 3965           | 3965    | 8699      | 341.6 | 290.7   |
| 2004 | 3917           | 3917    | 8629      | 339.9 | 290.0   |
| 2005 | 3807           | 3807    | 8769      | 350.1 | 296.6   |
| 2006 | 3774           | 3774    | 8673      | 348.5 | 291.9   |
| 2007 | 3565           | 3565    | 8820      | 355.4 | 297.2   |
| 2008 | 3587           | 3587    | 9021      | 362.3 | 303.9   |
| 2009 | 3803           | 3803    | 8946      | 360.3 | 301.3   |
| 2010 | 3521           | 3521    | 9015      | 366.0 | 303.4   |
| 2011 | 971            | 971     | 9179      | 377.9 | 304.6   |

Notes:

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