

**Provincial phenotypic trends by birth year for Guernsey cows**  
**Canadian Dairy Network, August 2012**

**Prince Edward Island**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 13             | 0       | 4246      | 202.9 | .       |
| 1976 | 14             | 0       | 4141      | 197.8 | .       |
| 1977 | 10             | 0       | 4810      | 226.3 | .       |
| 1978 | 17             | 0       | 4514      | 218.4 | .       |
| 1979 | 14             | 1       | 4918      | 232.1 | 215.0   |
| 1980 | 9              | 0       | 5279      | 241.3 | .       |
| 1981 | 12             | 1       | 4792      | 229.6 | 123.0   |
| 1982 | 12             | 1       | 4804      | 234.3 | 197.0   |
| 1983 | 14             | 14      | 5455      | 238.9 | 188.1   |
| 1984 | 7              | 7       | 5672      | 259.9 | 197.7   |
| 1985 | 3              | 3       | 6105      | 280.3 | 219.7   |
| 1986 | 9              | 9       | 5349      | 245.3 | 192.2   |
| 1987 | 18             | 18      | 5190      | 235.1 | 189.8   |
| 1988 | 9              | 9       | 5188      | 245.7 | 194.8   |
| 1989 | 10             | 10      | 4710      | 217.5 | 172.3   |
| 1990 | 14             | 14      | 5309      | 241.6 | 183.4   |
| 1991 | 9              | 9       | 5442      | 231.8 | 180.3   |
| 1992 | 12             | 12      | 4716      | 208.5 | 161.4   |
| 1993 | 6              | 6       | 5654      | 238.3 | 192.0   |
| 1994 | 9              | 9       | 6110      | 259.3 | 201.3   |
| 1995 | 5              | 5       | 6350      | 267.2 | 222.0   |
| 1996 | 1              | 1       | 4878      | 238.0 | 170.0   |
| 1997 | 6              | 6       | 6541      | 302.0 | 223.2   |
| 1998 | 2              | 2       | 5026      | 191.0 | 147.5   |
| 1999 | 2              | 2       | 7188      | 340.5 | 253.5   |
| 2000 | 1              | 1       | 6208      | 256.0 | 207.0   |
| 2001 | 2              | 2       | 4878      | 201.0 | 149.5   |
| 2009 | 1              | 1       | 6615      | 280.0 | 257.0   |

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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**Canadian Dairy Network, August 2012**

**Nova Scotia**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 23             | 0       | 4916      | 225.8 | .       |
| 1976 | 24             | 0       | 5565      | 250.4 | .       |
| 1977 | 25             | 0       | 5107      | 236.2 | .       |
| 1978 | 27             | 0       | 5344      | 248.9 | .       |
| 1979 | 24             | 0       | 4997      | 239.1 | .       |
| 1980 | 19             | 0       | 5472      | 254.1 | .       |
| 1981 | 26             | 0       | 4942      | 230.5 | .       |
| 1982 | 28             | 7       | 5044      | 225.8 | 178.9   |
| 1983 | 29             | 29      | 5619      | 240.3 | 189.4   |
| 1984 | 20             | 20      | 5913      | 255.6 | 202.2   |
| 1985 | 23             | 23      | 5949      | 250.0 | 206.9   |
| 1986 | 21             | 21      | 5414      | 239.9 | 194.7   |
| 1987 | 31             | 31      | 5599      | 232.3 | 194.8   |
| 1988 | 24             | 24      | 5450      | 237.3 | 195.4   |
| 1989 | 16             | 16      | 6416      | 267.7 | 229.5   |
| 1990 | 18             | 18      | 5626      | 258.4 | 202.0   |
| 1991 | 10             | 10      | 5224      | 256.1 | 188.8   |
| 1992 | 15             | 15      | 6318      | 269.5 | 215.8   |
| 1993 | 11             | 11      | 5655      | 259.7 | 209.8   |
| 1994 | 11             | 11      | 5402      | 234.6 | 191.1   |
| 1995 | 11             | 11      | 5269      | 227.8 | 177.5   |
| 1996 | 8              | 8       | 5355      | 234.6 | 188.5   |
| 1997 | 8              | 8       | 6074      | 246.8 | 206.5   |
| 1998 | 10             | 10      | 4956      | 229.3 | 180.4   |
| 1999 | 7              | 7       | 4772      | 205.4 | 177.7   |
| 2000 | 4              | 4       | 5746      | 225.3 | 195.3   |

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 Guernsey cows**  
**Canadian Dairy Network, August 2012**

**New Brunswick**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 74             | 2       | 4995      | 234.1 | 249.5   |
| 1976 | 52             | 0       | 5272      | 248.7 | .       |
| 1977 | 50             | 2       | 5201      | 245.5 | 175.0   |
| 1978 | 56             | 1       | 5049      | 229.0 | 153.0   |
| 1979 | 64             | 10      | 5225      | 245.3 | 216.8   |
| 1980 | 41             | 20      | 5944      | 268.0 | 257.8   |
| 1981 | 63             | 51      | 5639      | 245.8 | 234.2   |
| 1982 | 51             | 44      | 5543      | 244.8 | 202.5   |
| 1983 | 74             | 74      | 5267      | 227.4 | 189.8   |
| 1984 | 62             | 62      | 5586      | 240.0 | 198.8   |
| 1985 | 74             | 74      | 5435      | 233.5 | 195.0   |
| 1986 | 70             | 70      | 5255      | 221.0 | 187.9   |
| 1987 | 57             | 57      | 5427      | 227.5 | 195.7   |
| 1988 | 58             | 58      | 5645      | 244.7 | 202.3   |
| 1989 | 65             | 65      | 5658      | 245.6 | 200.3   |
| 1990 | 75             | 75      | 5632      | 246.3 | 199.6   |
| 1991 | 55             | 55      | 5665      | 254.9 | 200.2   |
| 1992 | 63             | 63      | 5970      | 261.3 | 209.8   |
| 1993 | 67             | 67      | 5910      | 270.3 | 213.9   |
| 1994 | 66             | 66      | 6160      | 277.9 | 217.7   |
| 1995 | 62             | 62      | 6211      | 272.8 | 220.1   |
| 1996 | 35             | 35      | 6382      | 282.8 | 226.8   |
| 1997 | 46             | 46      | 6769      | 298.0 | 241.4   |
| 1998 | 33             | 33      | 7088      | 310.2 | 251.9   |
| 1999 | 49             | 49      | 6884      | 297.1 | 239.7   |
| 2000 | 36             | 36      | 6847      | 304.7 | 238.3   |
| 2001 | 50             | 50      | 6972      | 293.0 | 237.2   |
| 2002 | 41             | 41      | 6935      | 303.3 | 236.4   |
| 2003 | 38             | 38      | 7360      | 306.8 | 245.0   |
| 2004 | 40             | 40      | 7042      | 311.9 | 244.1   |
| 2005 | 59             | 59      | 7439      | 328.4 | 253.4   |
| 2006 | 46             | 46      | 7699      | 335.3 | 259.0   |
| 2007 | 33             | 33      | 7592      | 340.1 | 264.7   |
| 2008 | 46             | 46      | 7957      | 349.7 | 272.2   |
| 2009 | 55             | 55      | 7775      | 343.0 | 265.8   |
| 2010 | 11             | 11      | 7041      | 342.7 | 237.8   |

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 Guernsey cows**  
**Canadian Dairy Network, August 2012**

**Quebec**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 13             | 0       | 4836      | 221.0 | .       |
| 1976 | 18             | 0       | 5100      | 240.2 | .       |
| 1977 | 20             | 0       | 5295      | 247.5 | .       |
| 1978 | 14             | 0       | 5347      | 247.9 | .       |
| 1979 | 12             | 0       | 5849      | 255.2 | .       |
| 1980 | 11             | 0       | 4571      | 211.5 | .       |
| 1981 | 8              | 6       | 4676      | 206.3 | 168.3   |
| 1982 | 8              | 8       | 5092      | 232.1 | 179.8   |
| 1983 | 4              | 4       | 4218      | 187.5 | 150.3   |
| 1984 | 1              | 1       | 6364      | 275.0 | 218.0   |
| 1985 | 1              | 1       | 5550      | 228.0 | 207.0   |
| 1988 | 4              | 4       | 5134      | 222.0 | 187.8   |
| 1989 | 5              | 5       | 6908      | 304.4 | 241.6   |
| 1990 | 1              | 1       | 7099      | 302.0 | 237.0   |
| 1991 | 1              | 1       | 4960      | 253.0 | 181.0   |
| 1992 | 9              | 9       | 5895      | 265.7 | 202.3   |
| 1993 | 3              | 3       | 6896      | 277.7 | 227.3   |
| 1994 | 7              | 7       | 5746      | 269.9 | 212.1   |
| 1995 | 6              | 6       | 5469      | 229.5 | 192.7   |
| 1996 | 2              | 2       | 4515      | 225.0 | 172.5   |
| 1997 | 2              | 2       | 7705      | 347.5 | 271.0   |
| 1998 | 3              | 3       | 7760      | 349.7 | 268.0   |
| 2000 | 2              | 2       | 7298      | 361.0 | 252.0   |
| 2001 | 1              | 1       | 7686      | 331.0 | 276.0   |
| 2002 | 3              | 3       | 6787      | 304.0 | 233.0   |
| 2004 | 3              | 3       | 7600      | 306.3 | 248.3   |
| 2005 | 1              | 1       | 6652      | 258.0 | 216.0   |
| 2006 | 3              | 3       | 7132      | 317.3 | 235.7   |
| 2007 | 2              | 2       | 11604     | 411.0 | 356.5   |
| 2008 | 6              | 6       | 9306      | 387.8 | 308.5   |
| 2009 | 3              | 3       | 9706      | 374.3 | 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 Guernsey cows**  
**Canadian Dairy Network, August 2012**

**Ontario**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 569            | 0       | 5126      | 240.3 | .       |
| 1976 | 635            | 4       | 5199      | 248.7 | 284.3   |
| 1977 | 628            | 22      | 5363      | 253.2 | 225.8   |
| 1978 | 740            | 69      | 5254      | 249.3 | 229.2   |
| 1979 | 750            | 228     | 5307      | 249.5 | 228.4   |
| 1980 | 839            | 394     | 5358      | 248.5 | 229.2   |
| 1981 | 870            | 435     | 5467      | 260.0 | 211.5   |
| 1982 | 925            | 622     | 5552      | 259.2 | 199.9   |
| 1983 | 880            | 849     | 5677      | 264.3 | 205.9   |
| 1984 | 891            | 891     | 5914      | 268.9 | 212.5   |
| 1985 | 794            | 794     | 5986      | 270.1 | 215.6   |
| 1986 | 823            | 823     | 6096      | 276.0 | 221.2   |
| 1987 | 826            | 826     | 6089      | 272.3 | 217.6   |
| 1988 | 697            | 697     | 6169      | 275.5 | 221.9   |
| 1989 | 663            | 663     | 6490      | 291.0 | 231.4   |
| 1990 | 620            | 620     | 6655      | 302.5 | 236.4   |
| 1991 | 573            | 573     | 6544      | 295.9 | 231.9   |
| 1992 | 540            | 540     | 6816      | 309.2 | 240.2   |
| 1993 | 466            | 466     | 6722      | 303.3 | 239.3   |
| 1994 | 439            | 439     | 6884      | 300.2 | 242.4   |
| 1995 | 386            | 386     | 7089      | 312.9 | 250.1   |
| 1996 | 339            | 339     | 6922      | 309.5 | 243.5   |
| 1997 | 254            | 254     | 7238      | 315.1 | 250.5   |
| 1998 | 200            | 200     | 7281      | 315.4 | 250.0   |
| 1999 | 180            | 180     | 7626      | 327.3 | 263.2   |
| 2000 | 149            | 149     | 7680      | 338.3 | 265.0   |
| 2001 | 141            | 141     | 7434      | 325.8 | 252.4   |
| 2002 | 137            | 137     | 7249      | 320.0 | 247.7   |
| 2003 | 122            | 122     | 7391      | 327.4 | 251.3   |
| 2004 | 118            | 118     | 7721      | 340.9 | 262.6   |
| 2005 | 91             | 91      | 7725      | 336.6 | 259.5   |
| 2006 | 91             | 91      | 7728      | 340.5 | 261.0   |
| 2007 | 96             | 96      | 7639      | 335.7 | 258.6   |
| 2008 | 100            | 100     | 7526      | 337.6 | 254.2   |
| 2009 | 80             | 80      | 7461      | 334.2 | 249.9   |
| 2010 | 24             | 24      | 7087      | 323.4 | 236.7   |

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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**Manitoba**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 39             | 0       | 5477      | 256.7 | .       |
| 1976 | 32             | 0       | 5407      | 259.5 | .       |
| 1977 | 23             | 0       | 4898      | 232.6 | .       |
| 1978 | 17             | 0       | 5093      | 244.4 | .       |
| 1979 | 21             | 0       | 4954      | 235.7 | .       |
| 1980 | 21             | 1       | 5215      | 251.9 | 206.0   |
| 1981 | 18             | 5       | 5396      | 246.6 | 201.2   |
| 1982 | 22             | 6       | 5915      | 273.5 | 203.7   |
| 1983 | 22             | 20      | 5306      | 252.5 | 190.1   |
| 1984 | 25             | 25      | 5762      | 258.1 | 209.3   |
| 1985 | 15             | 15      | 6112      | 277.7 | 226.0   |
| 1986 | 23             | 23      | 5806      | 268.7 | 218.4   |
| 1987 | 22             | 22      | 5612      | 249.9 | 208.0   |
| 1988 | 23             | 23      | 5844      | 265.2 | 213.3   |
| 1989 | 9              | 9       | 6253      | 288.9 | 236.6   |
| 1990 | 19             | 19      | 6424      | 310.8 | 231.8   |
| 1991 | 20             | 20      | 6380      | 302.9 | 226.5   |
| 1992 | 12             | 12      | 6518      | 308.1 | 231.7   |
| 1993 | 12             | 12      | 5955      | 289.3 | 214.8   |
| 1994 | 12             | 12      | 6463      | 283.1 | 230.8   |
| 1995 | 12             | 12      | 7292      | 308.4 | 260.7   |
| 1996 | 8              | 8       | 6139      | 264.1 | 229.4   |
| 1997 | 9              | 9       | 6479      | 285.1 | 241.1   |
| 1999 | 5              | 5       | 6903      | 287.8 | 253.2   |

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 Guernsey cows**  
**Canadian Dairy Network, August 2012**

**Saskatchewan**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 4              | 0       | 4662      | 229.8 | .       |
| 1976 | 12             | 0       | 4708      | 222.3 | .       |
| 1977 | 5              | 0       | 4965      | 214.0 | .       |
| 1978 | 7              | 0       | 4799      | 216.0 | .       |
| 1979 | 3              | 0       | 4773      | 235.7 | .       |
| 1980 | 1              | 0       | 5328      | 255.0 | .       |
| 1981 | 8              | 1       | 5744      | 264.9 | 246.0   |
| 1982 | 10             | 9       | 5724      | 242.6 | 201.8   |
| 1983 | 6              | 6       | 4946      | 224.7 | 189.7   |
| 1984 | 6              | 6       | 5038      | 235.0 | 183.7   |
| 1985 | 7              | 7       | 5465      | 241.7 | 202.1   |
| 1986 | 8              | 8       | 5573      | 262.8 | 214.9   |
| 1987 | 12             | 12      | 6318      | 253.3 | 219.3   |
| 1988 | 7              | 7       | 5645      | 251.4 | 194.4   |
| 1989 | 11             | 11      | 5886      | 246.9 | 214.4   |
| 1990 | 9              | 9       | 6841      | 283.7 | 227.6   |
| 1991 | 2              | 2       | 6876      | 311.0 | 232.5   |
| 1992 | 8              | 8       | 6268      | 275.5 | 216.4   |
| 1993 | 3              | 3       | 6875      | 305.7 | 239.0   |

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 Guernsey cows**  
**Canadian Dairy Network, August 2012**

**Alberta**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 31             | 0       | 5552      | 263.2 | .       |
| 1976 | 25             | 0       | 4794      | 230.8 | .       |
| 1977 | 19             | 0       | 4520      | 210.3 | .       |
| 1978 | 14             | 0       | 5167      | 239.3 | .       |
| 1979 | 18             | 6       | 5336      | 248.9 | 244.8   |
| 1980 | 13             | 10      | 5735      | 265.5 | 237.2   |
| 1981 | 4              | 1       | 5957      | 241.8 | 215.0   |
| 1982 | 3              | 0       | 6685      | 300.0 | .       |
| 1983 | 10             | 2       | 5668      | 250.8 | 237.0   |
| 1984 | 10             | 9       | 6390      | 278.7 | 229.4   |
| 1985 | 12             | 12      | 6228      | 290.8 | 231.9   |
| 1986 | 21             | 21      | 5888      | 271.0 | 220.7   |
| 1987 | 21             | 21      | 6200      | 269.6 | 229.1   |
| 1988 | 16             | 16      | 5730      | 258.7 | 213.0   |
| 1989 | 15             | 15      | 6805      | 289.6 | 247.5   |
| 1990 | 11             | 11      | 6558      | 281.4 | 236.6   |
| 1991 | 14             | 14      | 7113      | 296.6 | 249.0   |
| 1992 | 18             | 18      | 6840      | 272.9 | 241.4   |
| 1993 | 25             | 25      | 6753      | 289.0 | 241.3   |
| 1994 | 25             | 25      | 6998      | 282.9 | 253.1   |
| 1995 | 14             | 14      | 7009      | 262.5 | 231.1   |
| 1996 | 13             | 13      | 6236      | 237.4 | 207.5   |
| 1997 | 31             | 31      | 6126      | 248.2 | 208.8   |
| 1998 | 16             | 16      | 6876      | 272.1 | 239.6   |
| 1999 | 15             | 15      | 6716      | 287.5 | 235.4   |
| 2000 | 3              | 3       | 6233      | 249.0 | 211.3   |
| 2001 | 1              | 1       | 8610      | 360.0 | 283.0   |
| 2004 | 1              | 1       | 7428      | 342.0 | 254.0   |
| 2006 | 1              | 1       | 8351      | 393.0 | 278.0   |
| 2007 | 1              | 1       | 10273     | 453.0 | 384.0   |
| 2008 | 1              | 1       | 9830      | 453.0 | 336.0   |
| 2009 | 1              | 1       | 7649      | 347.0 | 271.0   |

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 Guernsey cows**  
**Canadian Dairy Network, August 2012**

**British Columbia**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 90             | 1       | 5259      | 251.9 | 197.0   |
| 1976 | 105            | 0       | 5508      | 265.4 | .       |
| 1977 | 97             | 2       | 5826      | 279.5 | 172.5   |
| 1978 | 96             | 2       | 5445      | 257.8 | 247.0   |
| 1979 | 97             | 23      | 5904      | 274.1 | 237.8   |
| 1980 | 102            | 41      | 5932      | 280.7 | 229.1   |
| 1981 | 86             | 49      | 6046      | 288.3 | 227.2   |
| 1982 | 102            | 89      | 6101      | 287.0 | 219.4   |
| 1983 | 77             | 77      | 6363      | 302.1 | 234.0   |
| 1984 | 85             | 85      | 6511      | 296.6 | 233.9   |
| 1985 | 89             | 89      | 6924      | 310.3 | 248.7   |
| 1986 | 82             | 82      | 6747      | 313.7 | 243.5   |
| 1987 | 77             | 77      | 6693      | 300.8 | 240.6   |
| 1988 | 73             | 73      | 7243      | 323.4 | 258.7   |
| 1989 | 63             | 63      | 7592      | 342.3 | 268.8   |
| 1990 | 61             | 61      | 7512      | 342.5 | 264.8   |
| 1991 | 57             | 57      | 7703      | 357.4 | 273.9   |
| 1992 | 55             | 55      | 7421      | 333.2 | 258.6   |
| 1993 | 45             | 45      | 7385      | 342.1 | 265.5   |
| 1994 | 46             | 46      | 7798      | 348.3 | 277.0   |
| 1995 | 30             | 30      | 7302      | 327.7 | 265.8   |
| 1996 | 22             | 22      | 7218      | 319.2 | 255.8   |
| 1997 | 18             | 18      | 8054      | 332.1 | 282.4   |
| 1998 | 14             | 14      | 7911      | 348.9 | 273.3   |
| 1999 | 10             | 10      | 7237      | 326.4 | 263.7   |
| 2000 | 8              | 8       | 9034      | 375.4 | 307.4   |
| 2001 | 7              | 7       | 9101      | 378.6 | 318.0   |
| 2002 | 11             | 11      | 8650      | 389.3 | 304.8   |
| 2003 | 4              | 4       | 8342      | 397.3 | 298.0   |
| 2004 | 5              | 5       | 7967      | 362.2 | 278.4   |
| 2005 | 4              | 4       | 9349      | 445.0 | 329.3   |
| 2006 | 3              | 3       | 6775      | 341.7 | 260.7   |
| 2007 | 5              | 5       | 9940      | 445.8 | 343.8   |
| 2008 | 6              | 6       | 9460      | 461.7 | 337.8   |
| 2009 | 3              | 3       | 10199     | 552.7 | 358.7   |
| 2010 | 2              | 2       | 8740      | 462.5 | 320.0   |

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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**Newfoundland**

| Year | Number of Cows |         | ME yields |       |         |
|------|----------------|---------|-----------|-------|---------|
|      | Milk Fat       | Protein | Milk      | Fat   | Protein |
| 1975 | 25             | 0       | 4514      | 217.0 | .       |
| 1976 | 25             | 0       | 5050      | 235.2 | .       |
| 1977 | 47             | 0       | 4989      | 229.2 | .       |
| 1978 | 24             | 0       | 5141      | 235.9 | .       |
| 1979 | 15             | 1       | 5126      | 229.3 | 210.0   |
| 1980 | 19             | 3       | 5410      | 251.4 | 231.0   |
| 1981 | 16             | 0       | 4983      | 236.9 | .       |
| 1982 | 17             | 4       | 5093      | 214.6 | 143.8   |
| 1983 | 8              | 8       | 4990      | 215.9 | 175.3   |
| 1984 | 17             | 17      | 5480      | 231.8 | 188.6   |
| 1985 | 3              | 3       | 5217      | 226.7 | 189.7   |
| 1986 | 6              | 6       | 6056      | 250.3 | 214.3   |
| 1987 | 4              | 4       | 5402      | 218.3 | 180.3   |
| 1988 | 1              | 1       | 5365      | 226.0 | 197.0   |

Notes:

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