



Canada 2007 yearend summary

Total farms used for summary = 13

| <b>Pigcare variables</b>   | <b>PigCHAMP variables used</b>                  | <b>Mean</b> | <b>SD</b> | <b>Median</b> | <b>Upper 10 percentile</b> | <b>Lower 10 percentile</b> |
|----------------------------|---|-------------|-----------|---------------|----------------------------|----------------------------|
| Repeat services            | Number repeat services                          | 239.46      | 250.322   | 113.00        | 514.00                     | 54.00                      |
| % Repeat services          | Percent repeat services                         | 8.45        | 2.518     | 8.30          | 10.80                      | 5.20                       |
| Total services             | Total number of services                        | 2769.92     | 2459.049  | 1653.00       | 4782.00                    | 722.00                     |
| Farrowings                 | Number of sows farrowed                         | 2327.62     | 2051.463  | 1482.00       | 3785.00                    | 607.00                     |
| Farrowing rate             | Farrowing rate                                  | 84.46       | 3.549     | 84.80         | 89.30                      | 79.80                      |
| Total born                 | Total pigs born                                 | 28912.08    | 25357.607 | 17126.00      | 47032.00                   | 7495.00                    |
| Total born per litter      | Average total pigs per litter                   | 12.52       | 0.828     | 12.42         | 13.58                      | 11.71                      |
| Total liveborn             | Total pigs born alive                           | 25962.62    | 22865.983 | 16202.00      | 41651.00                   | 6882.00                    |
| Liveborn per litter        | Average pigs born alive/litter                  | 11.26       | 0.757     | 10.96         | 12.10                      | 10.60                      |
| Liveborn/female/year       | litters/fem/yr * ave pigs born alive per litter | 25.34       | 2.536     | 24.90         | 27.83                      | 23.00                      |
| Total stillborn            | Total stillborn pigs                            | 1895.15     | 1790.709  | 1149.00       | 3530.00                    | 467.00                     |
| Stillborn per litter       | Average stillborn pigs                          | 0.86        | 0.265     | 0.70          | 1.10                       | 0.60                       |
| Total mummified            | Total mummified pigs born                       | 630.85      | 607.571   | 431.00        | 1426.00                    | 66.00                      |
| Mummified per litter       | Average mummies per litter                      | 0.25        | 0.113     | 0.30          | 0.40                       | 0.10                       |
| Sows weaned                | Sows farrowed and weaned                        | 2298.23     | 1964.267  | 1462.00       | 3775.00                    | 596.00                     |
| Piglets weaned             | Total pigs weaned                               | 22706.08    | 19203.074 | 14776.00      | 37659.00                   | 5806.00                    |
| Piglets weaned per litter  | Pigs weaned per litter weaned                   | 9.86        | 0.831     | 9.70          | 11.00                      | 9.20                       |
| % Total losses of liveborn | Pre-weaning mortality                           | 11.37       | 3.232     | 10.30         | 15.62                      | 7.80                       |
| Average weaned weight      | Average litter weaning weight (N= 11)           | 99.98       | 63.048    | 61.30         | 188.00                     | 55.30                      |
| Piglets age at weaning     | Average age at weaning                          | 21.02       | 2.371     | 20.40         | 25.70                      | 19.10                      |
| Piglets weaned/sow/year    | Pigs wnd / mated female / yr                    | 23.40       | 2.794     | 23.40         | 26.00                      | 21.60                      |
| Piglets weaned/female/year | Pigs wnd / female / year                        | 22.38       | 2.506     | 22.10         | 25.20                      | 20.80                      |
| Total boars                | Ending boar inventory                           | 15.62       | 9.535     | 13.00         | 31.00                      | 2.00                       |
| Sows added                 | Females entered                                 | 537.46      | 493.107   | 306.00        | 1253.00                    | 99.00                      |
| Sows culled or sold        | Sows and gilts culled                           | 450.00      | 380.969   | 288.00        | 987.00                     | 107.00                     |
| % Cull per year            | Culling rate                                    | 42.33       | 12.326    | 43.20         | 58.70                      | 27.20                      |
| Sows died                  | Sow and gilt deaths                             | 113.31      | 116.918   | 51.00         | 270.00                     | 12.00                      |
| % sow deaths per year      | Death rate                                      | 9.52        | 4.048     | 10.20         | 14.30                      | 4.50                       |
| Total sows                 | Ave female inv - Ave gilt pool inv              | 986.61      | 869.363   | 582.00        | 1639.00                    | 254.70                     |



Canada 2007-1<sup>st</sup> quarter summary

Farms included in the summary = 14

| <b>Pigcare variables</b>   | <b>PigCHAMP variables used</b>                  | <b>Mean</b> | <b>SD</b> | <b>Median</b> | <b>Upper 10 percentile</b> | <b>Lower 10 percentile</b> |
|----------------------------|---|-------------|-----------|---------------|----------------------------|----------------------------|
| Repeat services            | Number repeat services                          | 101.57      | 66.336    | 86.00         | 212.00                     | 17.00                      |
| % Repeat services          | Percent repeat services                         | 11.45       | 3.505     | 10.50         | 18.10                      | 8.60                       |
| Total services             | Total number of services                        | 929.79      | 680.140   | 797.50        | 2072.00                    | 198.00                     |
| Farrowings                 | Number of sows farrowed                         | 776.79      | 566.984   | 664.50        | 1704.00                    | 181.00                     |
| Farrowing rate             | Farrowing rate                                  | 83.28       | 2.828     | 83.55         | 86.80                      | 79.10                      |
| Total born                 | Total pigs born                                 | 9452.07     | 6972.902  | 8000.50       | 21412.00                   | 2336.00                    |
| Total born per litter      | Average total pigs per litter                   | 12.27       | 0.689     | 12.38         | 13.10                      | 11.31                      |
| Total liveborn             | Total pigs born alive                           | 8621.07     | 6404.906  | 7187.00       | 19617.00                   | 2177.00                    |
| Liveborn per litter        | Average pigs born alive/litter                  | 11.16       | 0.623     | 11.39         | 11.70                      | 10.40                      |
| Liveborn/female/year       | litters/fem/yr * ave pigs born alive per litter | 24.84       | 2.382     | 25.33         | 27.26                      | 21.63                      |
| Total stillborn            | Total stillborn pigs                            | 637.64      | 443.926   | 432.00        | 1329.00                    | 231.00                     |
| Stillborn per litter       | Average stillborn pigs                          | 0.87        | 0.292     | 0.80          | 1.40                       | 0.60                       |
| Total mummified            | Total mummified pigs born                       | 193.36      | 165.239   | 147.00        | 457.00                     | 37.00                      |
| Mummified per litter       | Average mummies per litter                      | 0.22        | 0.085     | 0.20          | 0.30                       | 0.12                       |
| Sows weaned                | Sows farrowed and weaned                        | 704.79      | 495.976   | 587.00        | 1530.00                    | 181.00                     |
| Piglets weaned             | Total pigs weaned                               | 7518.79     | 5494.071  | 5912.00       | 16483.00                   | 1827.00                    |
| Piglets weaned per litter  | Pigs weaned per litter weaned                   | 9.63        | 0.778     | 9.62          | 10.80                      | 9.00                       |
| % Total losses of liveborn | Pre-weaning mortality                           | 11.79       | 4.472     | 11.15         | 17.30                      | 6.42                       |
| Average weaned weight      | Average litter weaning weight (N=11)            | 130.21      | 40.782    | 127.00        | 139.00                     | 113.00                     |
| Piglets age at weaning     | Average age at weaning                          | 19.44       | 2.388     | 19.10         | 21.20                      | 17.50                      |
| Piglets weaned/sow/year    | Pigs wnd / mated female / yr                    | 23.23       | 2.187     | 23.55         | 25.60                      | 19.42                      |
| Piglets weaned/female/year | Pigs wnd / female / year                        | 21.95       | 2.091     | 22.16         | 24.20                      | 18.00                      |
| Total boars                | Ending boar inventory                           | 34.50       | 78.211    | 13.00         | 33.00                      | 3.00                       |
| Sows added                 | Females entered                                 | 144.71      | 113.465   | 134.50        | 238.00                     | 27.00                      |
| Sows culled or sold        | Sows and gilts culled                           | 132.71      | 113.393   | 89.50         | 312.00                     | 29.00                      |
| % Cull per year            | Culling rate                                    | 35.87       | 9.816     | 37.85         | 43.30                      | 23.30                      |
| Sows died                  | Sow and gilt deaths                             | 29.71       | 26.937    | 22.00         | 57.00                      | 6.00                       |
| % sow deaths per year      | Death rate                                      | 8.25        | 3.732     | 7.60          | 14.10                      | 2.90                       |
| Total sows                 | Ave female inv - Ave gilt pool inv              | 1355.64     | 984.805   | 1165.55       | 2993.00                    | 297.80                     |



# PigCHAMP Benchmarking

Canada 2007-2nd quarter summary

Farms included in the summary = 12

| <b>Pigcare variables</b>   | <b>PigCHAMP variables used</b>                  | <b>Mean</b> | <b>SD</b> | <b>Median</b> | <b>Upper 10 percentile</b> | <b>Lower 10 percentile</b> |
|----------------------------|---|-------------|-----------|---------------|----------------------------|----------------------------|
| Repeat services            | Number repeat services                          | 72.92       | 57.201    | 51.5          | 156                        | 11                         |
| % Repeat services          | Percent repeat services                         | 9.39        | 2.702     | 8.8           | 12.8                       | 5.9                        |
| Total services             | Total number of services                        | 781.75      | 602.448   | 681.5         | 1243                       | 185                        |
| Farrowings                 | Number of sows farrowed                         | 611.75      | 486.815   | 547.00        | 928.00                     | 154.00                     |
| Farrowing rate             | Farrowing rate                                  | 81.08       | 7.340     | 83.05         | 86.90                      | 74.20                      |
| Total born                 | Total pigs born                                 | 7461.50     | 5922.018  | 6437.50       | 11243.00                   | 2106.00                    |
| Total born per litter      | Average total pigs per litter                   | 12.43       | 0.750     | 12.46         | 13.10                      | 11.70                      |
| Total liveborn             | Total pigs born alive                           | 6817.42     | 5403.111  | 6000.50       | 10252.00                   | 1866.00                    |
| Liveborn per litter        | Average pigs born alive/litter                  | 11.30       | 0.685     | 11.30         | 12.10                      | 10.40                      |
| Liveborn/female/year       | litters/fem/yr * ave pigs born alive per litter | 25.38       | 2.563     | 25.64         | 28.56                      | 22.01                      |
| Total stillborn            | Total stillborn pigs                            | 509.67      | 418.122   | 370.00        | 851.00                     | 166.00                     |
| Stillborn per litter       | Average stillborn pigs                          | 0.90        | 0.242     | 0.90          | 1.20                       | 0.60                       |
| Total mummified            | Total mummified pigs born                       | 131.50      | 124.177   | 91.00         | 333.00                     | 17.00                      |
| Mummified per litter       | Average mummies per litter                      | 0.21        | 0.081     | 0.20          | 0.30                       | 0.10                       |
| Sows weaned                | Sows farrowed and weaned                        | 551.00      | 425.504   | 487.00        | 811.00                     | 127.00                     |
| Piglets weaned             | Total pigs weaned                               | 6088.50     | 4655.747  | 5302.50       | 9271.00                    | 1630.00                    |
| Piglets weaned per litter  | Pigs weaned per litter weaned                   | 9.83        | 0.767     | 9.59          | 11.00                      | 9.00                       |
| % Total losses of liveborn | Pre-weaning mortality                           | 11.10       | 2.821     | 11.30         | 14.51                      | 8.50                       |
| Average weaned weight      | Average litter weaning weight                   | 130.50      | 57.189    | 131.50        | 195.00                     | 77.00                      |
| Piglets age at weaning     | Average age at weaning                          | 21.36       | 2.772     | 21.15         | 25.80                      | 17.80                      |
| Piglets weaned/sow/year    | Pigs wnd / mated female / yr                    | 23.57       | 2.178     | 23.40         | 26.50                      | 22.30                      |
| Piglets weaned/female/year | Pigs wnd / female / year                        | 22.64       | 2.002     | 22.15         | 25.40                      | 21.20                      |
| Total boars                | Ending boar inventory                           | 53.08       | 90.079    | 17.00         | 200.00                     | 6.00                       |
| Sows added                 | Females entered                                 | 163.25      | 137.545   | 116.00        | 331.00                     | 21.00                      |
| Sows culled or sold        | Sows and gilts culled                           | 105.92      | 93.862    | 70.00         | 242.00                     | 22.00                      |
| % Cull per year            | Culling rate                                    | 35.63       | 14.149    | 30.95         | 52.70                      | 23.20                      |
| Sows died                  | Sow and gilt deaths                             | 25.58       | 22.436    | 22.00         | 54.00                      | 2.00                       |
| % sow deaths per year      | Death rate                                      | 8.11        | 3.820     | 8.30          | 13.40                      | 4.30                       |
| Total sows                 | Ave female inv - Ave gilt pool inv              | 1074.46     | 827.168   | 943.80        | 1582.30                    | 270.00                     |



Canada 2007- 3<sup>rd</sup> quarter summary Farms used for summary = 14

| <b>Pigcare variables</b>   | <b>PigCHAMP variables used</b>                  | <b>Mean</b> | <b>SD</b> | <b>Median</b> | <b>Upper 10 percentile</b> | <b>Lower 10 percentile</b> |
|----------------------------|---|-------------|-----------|---------------|----------------------------|----------------------------|
| Repeat services            | Number repeat services                          | 89.50       | 61.573    | 95.00         | 157.00                     | 18.00                      |
| % Repeat services          | Percent repeat services                         | 10.56       | 2.588     | 10.25         | 14.00                      | 7.20                       |
| Total services             | Total number of services                        | 861.07      | 579.146   | 987.00        | 1223.00                    | 176.00                     |
| Farrowings                 | Number of sows farrowed                         | 704.50      | 476.139   | 789.50        | 994.00                     | 165.00                     |
| Farrowing rate             | Farrowing rate                                  | 82.67       | 4.058     | 82.05         | 89.70                      | 78.10                      |
| Total born                 | Total pigs born                                 | 8575.07     | 5900.985  | 9596.50       | 11784.00                   | 1872.00                    |
| Total born per litter      | Average total pigs per litter                   | 12.19       | 0.683     | 12.05         | 12.90                      | 11.30                      |
| Total liveborn             | Total pigs born alive                           | 7791.93     | 5323.747  | 8611.50       | 10755.00                   | 1719.00                    |
| Liveborn per litter        | Average pigs born alive/litter                  | 11.07       | 0.568     | 11.15         | 12.00                      | 10.40                      |
| Liveborn/female/year       | litters/fem/yr * ave pigs born alive per litter | 25.24       | 2.427     | 25.67         | 28.04                      | 20.81                      |
| Total stillborn            | Total stillborn pigs                            | 577.57      | 450.444   | 567.50        | 891.00                     | 119.00                     |
| Stillborn per litter       | Average stillborn pigs                          | 0.84        | 0.207     | 0.80          | 1.10                       | 0.60                       |
| Total mummified            | Total mummified pigs born                       | 205.57      | 153.548   | 185.50        | 348.00                     | 34.00                      |
| Mummified per litter       | Average mummies per litter                      | 0.27        | 0.079     | 0.30          | 0.30                       | 0.14                       |
| Sows weaned                | Sows farrowed and weaned                        | 644.93      | 424.991   | 789.50        | 897.00                     | 136.00                     |
| Piglets weaned             | Total pigs weaned                               | 6669.21     | 4557.648  | 7133.50       | 9459.00                    | 1326.00                    |
| Piglets weaned per litter  | Pigs weaned per litter weaned                   | 9.71        | 0.608     | 9.75          | 10.10                      | 8.99                       |
| % Total losses of liveborn | Pre-weaning mortality                           | 12.99       | 3.817     | 12.60         | 18.37                      | 8.30                       |
| Average weaned weight      | Average litter weaning weight (N= 12)           | 133.17      | 19.002    | 132.00        | 150.00                     | 117.00                     |
| Piglets age at weaning     | Average age at weaning                          | 20.46       | 1.751     | 20.30         | 21.80                      | 18.30                      |
| Piglets weaned/sow/year    | Pigs wnd / mated female / yr                    | 23.13       | 2.317     | 23.70         | 25.50                      | 19.30                      |
| Piglets weaned/female/year | Pigs wnd / female / year                        | 22.12       | 2.355     | 22.65         | 24.40                      | 18.34                      |
| Total boars                | Ending boar inventory                           | 48.14       | 91.646    | 12.00         | 214.00                     | 3.00                       |
| Sows added                 | Females entered                                 | 186.43      | 136.503   | 224.50        | 345.00                     | 14.00                      |
| Sows culled or sold        | Sows and gilts culled                           | 148.07      | 109.511   | 153.00        | 293.00                     | 18.00                      |
| % Cull per year            | Culling rate                                    | 42.86       | 18.947    | 35.45         | 71.10                      | 21.40                      |
| Sows died                  | Sow and gilt deaths                             | 28.71       | 22.966    | 25.00         | 63.00                      | 7.00                       |
| % sow deaths per year      | Death rate                                      | 9.04        | 3.432     | 8.15          | 14.50                      | 5.60                       |
| Total sows                 | Ave female inv - Ave gilt pool inv              | 1200.11     | 808.309   | 1305.95       | 1701.70                    | 260.80                     |



Canada 2007- 4<sup>th</sup> quarter summary

Total farms used for summary = 13

| <b>Pigcare variables</b>   | <b>PigCHAMP variables used</b>                  | <b>Mean</b> | <b>SD</b> | <b>Median</b> | <b>Upper 10 percentile</b> | <b>Lower 10 percentile</b> |
|----------------------------|---|-------------|-----------|---------------|----------------------------|----------------------------|
| Repeat services            | Number repeat services                          | 53.62       | 72.233    | 25.00         | 78.00                      | 15.00                      |
| % Repeat services          | Percent repeat services                         | 8.31        | 3.368     | 7.00          | 12.60                      | 5.60                       |
| Total services             | Total number of services                        | 630.38      | 608.454   | 385.00        | 1220.00                    | 174.00                     |
| Farrowings                 | Number of sows farrowed                         | 596.23      | 516.358   | 364.00        | 996.00                     | 144.00                     |
| Farrowing rate             | Farrowing rate                                  | 83.85       | 3.941     | 84.60         | 87.40                      | 78.30                      |
| Total born                 | Total pigs born                                 | 7526.15     | 6483.853  | 4396.00       | 12577.00                   | 1768.00                    |
| Total born per litter      | Average total pigs per litter                   | 12.69       | 0.693     | 12.62         | 13.78                      | 12.13                      |
| Total liveborn             | Total pigs born alive                           | 6708.92     | 5802.655  | 4219.00       | 11225.00                   | 1584.00                    |
| Liveborn per litter        | Average pigs born alive/litter                  | 11.34       | 0.622     | 11.22         | 12.10                      | 10.80                      |
| Liveborn/female/year       | litters/fem/yr * ave pigs born alive per litter | 26.01       | 2.314     | 26.27         | 28.19                      | 24.70                      |
| Total stillborn            | Total stillborn pigs                            | 513.77      | 496.925   | 323.00        | 1052.00                    | 139.00                     |
| Stillborn per litter       | Average stillborn pigs                          | 0.89        | 0.284     | 0.90          | 1.20                       | 0.60                       |
| Total mummified            | Total mummified pigs born                       | 178.77      | 158.387   | 125.00        | 366.00                     | 13.00                      |
| Mummified per litter       | Average mummies per litter                      | 0.29        | 0.122     | 0.30          | 0.40                       | 0.10                       |
| Sows weaned                | Sows farrowed and weaned                        | 569.46      | 466.412   | 353.00        | 1013.00                    | 131.00                     |
| Piglets weaned             | Total pigs weaned                               | 5937.62     | 4973.329  | 3879.00       | 10034.00                   | 1527.00                    |
| Piglets weaned per litter  | Pigs weaned per litter weaned                   | 9.97        | 0.639     | 10.00         | 10.70                      | 9.40                       |
| % Total losses of liveborn | Pre-weaning mortality                           | 10.98       | 3.969     | 11.50         | 16.10                      | 6.30                       |
| Average weaned weight      | Average litter weaning weight (N= 11)           | 105.83      | 61.992    | 62.60         | 183.00                     | 58.30                      |
| Piglets age at weaning     | Average age at weaning                          | 21.18       | 2.333     | 20.50         | 25.20                      | 19.30                      |
| Piglets weaned/sow/year    | Pigs wnd / mated female / yr                    | 23.88       | 2.539     | 23.80         | 25.50                      | 22.70                      |
| Piglets weaned/female/year | Pigs wnd / female / year                        | 23.07       | 2.214     | 23.00         | 24.70                      | 22.10                      |
| Total boars                | Ending boar inventory                           | 19.92       | 27.783    | 10.00         | 32.00                      | 2.00                       |
| Sows added                 | Females entered                                 | 111.54      | 117.562   | 42.00         | 277.00                     | 15.00                      |
| Sows culled or sold        | Sows and gilts culled                           | 98.85       | 81.161    | 75.00         | 178.00                     | 22.00                      |
| % Cull per year            | Culling rate                                    | 37.77       | 10.144    | 39.00         | 49.10                      | 28.30                      |
| Sows died                  | Sow and gilt deaths                             | 42.85       | 47.453    | 13.00         | 113.00                     | 1.00                       |
| % sow deaths per year      | Death rate                                      | 12.91       | 9.438     | 10.70         | 26.50                      | 2.10                       |
| Total sows                 | Ave female inv - Ave gilt pool inv              | 996.55      | 885.976   | 579.00        | 1692.00                    | 251.20                     |