

Canada 2004- Yearend summary report (Variables common to PigCHAMP and Pigcare)

Total # of farms in the CD=50. Eight farms were excluded for lack of data in the quarter. 3 farms were excluded for % change in inventory >40. # farms included for summary 50-11= 39

<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	260.56	242.101	161.00	561.00	54.00
% Repeat services	Percent repeat services	9.16	3.488	8.80	14.70	5.00
Total services	Total number of services	2872.15	2378.000	1540.00	7032.00	796.00
Farrowings	Number of sows farrowed	2429.77	2002.000	1341.00	6016.00	707.00
Farrowing index	Sum of farrow-farrow indices	282486.90	231670.000	155679.00	676378.00	83063.00
Farrowing rate	Farrowing rate	84.34	4.845	85.30	90.10	76.70
Total born	Total pigs born	29345.77	24104.000	16588.00	67244.00	8331.00
Total born per litter	Average total pigs per litter	12.10	0.615	12.10	13.00	11.30
Total liveborn	Total pigs born alive	26744.10	22003.000	15332.00	61904.00	7573.00
Liveborn per litter	Average pigs born alive/litter	11.04	0.648	11.10	11.90	10.20
Liveborn/female/year	litters/fem/yr * ave pigs born alive per litter	25.74	2.090	25.62	29.16	23.50
Total stillborn	Total stillborn pigs	1991.62	1620.000	1182.00	4593.00	417.00
Stillborn per litter	Average stillborn pigs	0.83	0.185	0.80	1.20	0.60
Total mummified	Total mummified pigs born	610.05	588.844	269.00	1420.00	78.00
Mummified per litter	Average mummies per litter	0.23	0.120	0.20	0.40	0.10
Average litter weight	Average litter birth weight	29.43	14.821	36.00	40.00	2.00
Sows weaned	Sows farrowed and weaned	2366.00	1952.000	1341.00	5841.00	679.00
Piglets weaned	Total pigs weaned	23402.10	19065.000	12960.00	53258.00	6505.00
Piglets weaned per litter	Pigs weaned per litter weaned	9.67	0.635	9.70	10.30	8.90
% Total losses of liveborn	Pre-weaning mortality	11.59	2.506	12.40	13.90	8.00
Average weaned weight	Average piglet weaning weight	14.24	1.786	14.00	16.00	12.00
Piglets age at weaning	Average age at weaning	20.43	2.809	20.00	25.10	17.10
Piglets weaned/sow/year	Pigs wnd / mated female / yr	23.55	2.223	23.40	26.80	20.80
Piglets weaned/female/year	Pigs wnd / female / year	22.61	2.106	22.80	25.80	20.20
Total boars	Ending boar inventory	25.87	31.332	21.00	50.00	5.00
Sows added	Females entered	570.15	522.978	258.00	1431.00	126.00
Sows transferred	Sows and gilts transferred	7.54	25.188	0.00	35.00	0.00
Sows culled or sold	Sows and gilts culled	440.77	392.430	249.00	1176.00	114.00
% Cull per year	Culling rate	40.05	9.177	40.10	53.30	28.00
Sows died	Sow and gilt deaths	78.62	78.386	42.00	205.00	16.00
% sow deaths per year	Death rate	7.15	2.864	7.10	10.80	3.40
Total gilts	Average gilt pool inventory	50.24	59.041	32.80	152.20	0.00
Total sows	ave female inv - ave gilt pool inv	1005.43	817.421	537.00	2474.70	298.00
Sow:Boar ratio	Sow - Boar Ratio	74.02	112.391	37.50	187.50	11.80
Sow:Gilt ratio	(Ave female inv - Ave gilt pool inv)/ Ave gilt pool inv	543.52	1930.000	21.83	1287.25	12.17

Canada 2004- 1<sup>st</sup> Quarter (Number of Herds=63)

Measurement	Mean	Upper 10 percentile	Lower 10 percentile
Average parity	2.79	3.6	2.3
Percent multiple matings	86.69	98.6	71.5
Percent repeat services	9.72	3.8	16
Ave non-productive sow days	50.9	33.2	69.1
Ave parity of culled sows	4.5	6	2.6
Ave parity of farrowed sows	3.68	4.4	3.1
Average age at weaning	20.63	17.3	24.7
Average female inventory	1170.7	2217.8	280.7
Average gestation length	115	116	114
Average gilt pool inventory	50.51	125.1	0
Average mummies per litter	0.27	0.1	0.4
Average pigs born alive/litter	10.89	11.6	10
Average stillborn pigs	0.85	0.5	1.2
Average total pigs per litter	12	12.9	11.1
Culling rate	36.79	19	54.3
Death rate	7.45	2.6	11.5
Entry - 1st service interval	32.63	0	62.7
Farrowing interval	147.71	142	161
Farrowing rate	82.24	90.8	69.6
Litters / female / yr	2.34	2.5	2.2
Litters / mated female / yr	2.44	2.6	2.3
Old lits / mated female / yr	2.33	2.5	1.9
Old pigs wnd / Inv. Female/yr	21.24	24.5	18.2
Percent less than 7 born live	9.03	4.6	13.4
Percent sows bred by 7 days	89.24	94.8	82.8
Pigs weaned / lifetime female	40.3	58	24
Pigs weaned per litter weaned	9.82	10.9	8.6
Pigs weaned per sow	9.57	10.4	8.4
Pigs wnd / female / yr	22.41	26	19.6
Pigs wnd / mated female / yr	23.42	26.4	20.5
PWM for farrowed and weaned	12.3	9.4	15.6
Replacement rate	52	31.8	68.4
Weaning - 1st service interval	6.57	5.4	8.4

Canada 2004- 2nd Quarter (N=70)

<b>Measurement</b>	<b>Mean</b>	<b>Upper 10 percentile</b>	<b>Lower 10 percentile</b>
Average parity	2.89	3.7	2.4
Percent multiple matings	88.05	98.1	79.4
Percent repeat services	9.29	2.3	15.2
Ave non-productive sow days	52.96	37.9	70.1
Ave parity of culled sows	4.55	6.4	3
Ave parity of farrowed sows	3.81	4.5	3.3
Average age at weaning	20.22	23.3	17.3
Average female inventory	1145.74	2304.2	417.1
Average gestation length	115.23	116	114
Average gilt pool inventory	55.82	154	1.2
Average mummies per litter	0.29	0.2	0.4
Average pigs born alive/litter	10.86	12	10
Average stillborn pigs	0.88	0.6	1.2
Average total pigs per litter	12.01	13.1	11.1
Culling rate	41.46	25.4	59.1
Death rate	6.6	2.7	10.3
Entry - 1st service interval	32.53	57.7	1.4
Farrowing interval	146.27	141	154
Farrowing rate	80.53	90.9	65.2
Litters / female / yr	2.33	2.5	2.2
Litters / mated female / yr	2.45	2.5	2.4
Old lits / mated female / yr	2.29	2.6	1.9
Old pigs wnd / Inv. Female/yr	21.32	24.8	17
Percent less than 7 born live	8.69	4.5	12.9
Percent sows bred by 7 days	88.59	95.1	80.4
Pigs weaned / lifetime female	40.64	57	26
Pigs weaned per litter weaned	9.86	10.9	8.8
Pigs weaned per sow	9.55	10.5	8.6
Pigs wnd / female / yr	22.31	25.1	19
Pigs wnd / mated female / yr	23.41	26.3	20.3
PWM for farrowed and weaned	12.51	8.3	16.6
Replacement rate	50.08	26	73.4
Weaning - 1st service interval	6.68	5.3	8.4

### Canada 2004- 3rd Quarter (N=56)

(Total number of farms 66. Six farms were excluded for not having data for the entire quarter. Four farms were excluded for percentage in inventory >40)

Measurement	Mean	Upper 10 percentile	Lower 10 percentile
Average parity	2.81	3.4	2.3
Percent multiple matings	86.69	97.4	72.6
Percent repeat services	9.1	5.3	12.8
Ave non-productive sow days	51.38	34.1	68.5
Ave parity of culled sows	4.97	3.4	7.2
Ave parity of farrowed sows	3.78	4.3	3.2
Average age at weaning	20.13	23.2	16.9
Average female inventory	1008.32	2568	305
Average gestation length	115.18	116	115
Average gilt pool inventory	49.12	111.2	0.1
Average mummies per litter	0.28	0.1	0.4
Average pigs born alive/litter	10.9	11.6	10.2
Average stillborn pigs	0.96	0.6	1.3
Average total pigs per litter	12.13	13	11.4
Culling rate	38.03	24.9	52.1
Death rate	7.91	13.2	3.1
Entry - 1st service interval	32.62	52.1	0.1
Farrowing interval	144.82	141	150
Farrowing rate	82.22	90.6	72.2
Litters / female / yr	2.34	2.48	2.21
Litters / mated female / yr	2.45	2.55	2.32
Old lits / mated female / yr	2.34	2.59	2.08
Old pigs wnd / Inv. Female/yr	22.43	25.8	20
Percent less than 7 born live	8.75	5.6	12.4
Percent sows bred by 7 days	89.21	94.5	83.2
Pigs weaned / lifetime female	43.75	59	32
Pigs weaned per litter weaned	9.89	10.7	9.1
Pigs weaned per sow	9.65	10.3	9
Pigs wnd / female / yr	22.58	24.6	20.7
Pigs wnd / mated female / yr	23.67	25.6	21.9
PWM for farrowed and weaned	12.27	9.6	14.7
Replacement rate	45.29	32.1	60.8
Weaning - 1st service interval	6.59	5.4	8.4

Canada 2004- 4th Quarter (N=39)

Measurement	Mean	Upper 10 percentile	Lower 10 percentile
Average parity	2.87	3.40	2.30
Percent multiple matings	84.43	97.90	64.80
Percent repeat services	9.59	4.00	14.90
Ave non-productive sow days	46.60	32.60	64.40
Ave parity of culled sows	4.98	3.40	6.40
Ave parity of farrowed sows	3.76	4.30	3.30
Average age at weaning	20.54	26.40	17.10
Average female inventory	1067.32	2646.80	296.60
Average gestation length	115.28	116.00	115.00
Average gilt pool inventory	50.15	147.50	0.00
Average mummies per litter	0.22	0.00	0.40
Average pigs born alive/litter	11.08	12.00	10.30
Average stillborn pigs	0.85	0.60	1.10
Average total pigs per litter	12.15	13.00	11.20
Culling rate	38.81	21.90	51.80
Death rate	6.21	2.30	10.80
Entry - 1st service interval	25.57	52.20	0.00
Farrowing interval	146.26	142.00	152.00
Farrowing rate	82.40	90.70	69.30
Litters / female / yr	2.36	2.45	2.20
Litters / mated female / yr	2.46	2.52	2.35
Old lits / mated female / yr	2.33	2.56	2.02
Old pigs wnd / Inv. Female/yr	21.72	24.70	17.20
Percent less than 7 born live	8.38	4.00	13.50
Percent sows bred by 7 days	90.29	96.60	84.30
Pigs weaned / lifetime female	45.31	59.00	28.00
Pigs weaned per litter weaned	9.62	10.50	8.30
Pigs weaned per sow	9.63	10.50	8.20
Pigs wnd / female / yr	22.79	25.20	18.90
Pigs wnd / mated female / yr	23.71	26.30	19.90
PWM for farrowed and weaned	13.02	9.70	17.70
Replacement rate	46.14	27.40	62.60
Weaning - 1st service interval	6.47	5.20	8.00