



# PigCHAMP Benchmarking

USA2006- Year end summary

Total farms included for summary =493

Pigcare variables	PigCHAMP variables used	Mean	SD	Median	Upper 10 percentile	Lower 10 percentile
Repeat services	Number repeat services	418.21	459.131	270.00	938.00	82.00
% Repeat services	Percent repeat services	12.86	6.454	11.50	21.20	6.00
Total services	Total number of services	3645.90	3873.230	1987.00	8136.00	836.00
Farrowings	Number of sows farrowed	2884.10	3143.080	1454.00	6592.00	578.00
Farrowing rate	Farrowing rate	77.43	10.933	79.40	86.70	67.70
Total born	Total pigs born	34926.93	38684.770	17986.00	82866.00	7002.00
Total born per litter	Average total pigs per litter	11.99	0.749	12.05	12.90	10.98
Total liveborn	Total pigs born alive	31449.45	34995.870	16451.00	74525.00	6271.00
Liveborn per litter	Average pigs born alive/litter	10.69	1.288	10.80	11.60	9.80
Liveborn/female/yr	Litters/fem/yr*av pigs bnalive/litter	23.37	3.835	23.90	26.89	20.00
Total stillborn	Total stillborn pigs	2646.87	2837.330	1481.00	6467.00	509.00
Stillborn per litter	Average stillborn pigs	0.94	0.306	0.95	1.30	0.59
Total mummified	Total mummified pigs born	807.03	1272.560	321.00	2080.00	45.00
Mummified per litter	Average mummies per litter	0.23	0.163	0.20	0.40	0.05
Sows weaned	Sows farrowed and weaned	2860.17	3136.660	1451.00	6594.00	578.00
Piglets weaned	Total pigs weaned	27608.71	30825.730	14694.00	63708.00	5514.00
Piglets weaned per litter	Pigs weaned per litter weaned	9.30	1.154	9.42	10.19	8.60
% Total losses of liveborn	Pre-weaning mortality	12.11	3.878	11.98	16.88	7.90
Avg Weaned weight	Avg litter weaning weight (n=182)	114.53	37.084	119.90	143.20	88.00
Piglets age at weaning	Average age at weaning	19.06	2.666	19.40	21.00	17.00
Piglets wnd/sow/yr	Pigs wnd / mated female / yr	21.52	3.499	22.00	24.70	18.60
Piglets wnd/female/yr	Pigs wnd/female/yr	20.35	3.456	20.70	23.88	17.35
Total boars	Ending boar inventory	10.38	27.379	4.00	20.00	0.00
Sows added	Females entered	826.97	1125.550	413.00	1781.00	142.00
Sows culled or sold	Sows and gilts culled	690.12	1011.330	351.00	1437.00	111.00
% Cull per year	Culling rate (N=491)	53.10	55.193	47.90	68.60	31.60
Sows died	Sow and gilt deaths	121.20	166.681	60.00	299.00	20.00
% sow deaths per year	Death rate (N=491)	8.84	3.776	8.40	13.40	4.90
Total sows	Ave female inv - Ave gilt pool inv	1236.29	1313.410	665.00	2748.00	291.20



# PigCHAMP Benchmarking

USA-2006- 1st qtr summary

Number of farms = 568

Pigcare variables	PigCHAMP variables used	Mean	Upper 10 percentile	Lower 10 percentile
Repeat services	Number repeat services	107.94	227.00	19.00
% Repeat services	Percent repeat services	11.25	19.90	4.50
Total services	Total number of services	1004.11	1975.00	231.00
Farrowings	Number of sows farrowed	815.78	1693.00	176.00
Farrowing rate	Farrowing rate	77.98	88.30	64.40
Total born	Total pigs born	9837.28	20758.00	2112.00
Total born per litter	Average total pigs per litter (N=564)	11.96	12.90	10.90
Total liveborn	Total pigs born alive	8845.18	19096.00	1938.00
Liveborn per litter	Average pigs born alive/litter	10.72	11.74	9.80
Liveborn/female/year	Litters/fem/yr*avg pigs bornalive/litter	24.67	28.32	20.79
Total Stillborn	Total Stillborn Pigs	723.86	1553.00	139.00
Stillborn per litter	Average stillborn pigs	0.90	1.30	0.54
Total mummified	Total mummified pigs born	267.77	608.00	11.00
Mummified per litter	Average mummies per litter	0.26	0.45	0.05
Sows weaned	Sows farrowed and weaned	766.26	1640.00	170.00
Piglets weaned	Total pigs weaned	7703.35	16679.00	1689.00
Piglets weaned per litter	Pigs weaned per litter weaned	9.30	10.20	8.50
%total losses of liveborn	Pre weaning mortality	12.61	18.40	7.85
Piglets age at weaning	Average age at weaning	18.89	20.90	16.50
Piglets weaned/sow/year	Pigs wnd / mated female / yr	22.48	25.81	18.70
Piglets weaned/fem/year	Pigs wnd/female/ yr	21.31	24.60	17.70
Sows added	Females entered	217.99	471.00	28.00
Sows culled or sold	Sows and gilts culled	176.92	362.00	31.00
% Cull per year	Culling rate (n=565)	50.83	67.70	25.30
Sows died	Sow and gilt deaths	31.92	72.00	4.00
% sow deaths per year	Death rate (N=565)	8.44	12.80	4.00
Total sows	Ave female inv - Ave gilt pool inv	1417.98	2825.20	329.00



# PigCHAMP Benchmarking

USA Summary 2006- 2<sup>nd</sup> quarter Total farms used for summary = 501

<b>Pigcare variables</b>	<b>PigCHAMP variables used</b>	<b>Mean</b>	<b>Upper 10 percentile</b>	<b>Lower 10 percentile</b>
Repeat services	Number repeat services	103.69	235.00	19.00
% Repeat services	Percent repeat services	11.19	19.20	4.40
Total services	Total number of services	1030.72	2087.00	245.00
Farrowings	Number of sows farrowed	859.11	1743.00	188.00
Farrowing rate	Farrowing rate	79.81	89.00	69.50
Total born	Total pigs born	10504.47	22007.00	2166.00
Total born per litter	Average total pigs per litter (N=498)	12.09	13.00	11.10
Total liveborn	Total pigs born alive	9477.77	20345.00	1957.00
Liveborn per litter	Average pigs born alive/litter	10.88	11.86	9.99
Liveborn/female/year	litters/fem/yr * ave pigs born alive per litter	24.54	27.97	20.86
Total stillborn	Total stillborn pigs	759.24	1689.00	132.00
Stillborn per litter	Average stillborn pigs	0.89	1.21	0.55
Total mummified	Total mummified pigs born	252.29	617.00	13.00
Mummified per litter	Average mummies per litter	0.24	0.40	0.05
Sows weaned	Sows farrowed and weaned	811.16	1731.00	185.00
Piglets weaned	Total pigs weaned	8286.48	17414.00	1835.00
Piglets weaned per litter	Pigs weaned per litter weaned	9.48	10.30	8.70
% Total losses of liveborn	Pre-weaning mortality	11.61	16.20	7.46
Average weaned weight	Average litter weaning weight (N=132)	116.15	150.00	68.80
Piglets age at weaning	Average age at weaning	18.98	21.00	16.70
Piglets weaned/sow/year	Pigs wnd / mated female / yr	22.64	25.73	19.48
Piglets weaned/female/year	Pigs wnd / female / year	21.51	24.74	18.28
Total boars	Ending boar inventory	9.42	20.00	0.00
Sows added	Females entered	223.29	483.00	33.00
Sows culled or sold	Sows and gilts culled	188.24	389.00	29.00
% Cull per year	Culling rate	53.23	69.50	24.30
Sows died	Sow and gilt deaths	34.29	82.00	5.00
% sow deaths per year	Death rate	8.51	13.40	3.90
Total sows	Ave female inv - Ave gilt pool inv	1456.82	2870.50	348.00



# PigCHAMP Benchmarking

USA 2006- 3<sup>rd</sup> qtr summary

Total included for analysis= 415

Pigcare variables	PigCHAMP variables used	Mean	Upper 10 percentile	Lower 10 percentile
Repeat services	Number repeat services	124.09	282.00	25.00
% Repeat services	Percent repeat services	14.21	25.20	6.00
Total services	Total number of services	1005.72	2166.00	260.00
Farrowings	Number of sows farrowed	808.63	1730.00	196.00
Farrowing rate	Farrowing rate	79.78	88.60	69.10
Total born	Total pigs born	9842.45	21179.00	2331.00
Total born per litter	Average total pigs per litter	12.08	13.00	11.00
Total liveborn	Total pigs born alive	8865.30	19288.00	2098.00
Liveborn per litter	Average pigs born alive/litter	10.89	11.79	9.90
Liveborn/female/year	litters/fem/yr * ave pigs born alive per litter	24.21	27.74	20.33
Total stillborn	Total stillborn pigs	749.07	1757.00	141.00
Stillborn per litter	Average stillborn pigs	0.94	1.30	0.60
Total mummified	Total mummified pigs born	221.11	540.00	14.00
Mummified per litter	Average mummies per litter	0.24	0.40	0.07
Sows weaned	Sows farrowed and weaned	774.31	1668.00	186.00
Piglets weaned	Total pigs weaned	7745.60	16760.00	1908.00
Piglets weaned per litter	Pigs weaned per litter weaned	9.48	10.30	8.60
% Total losses of liveborn	Pre-weaning mortality	12.29	17.50	7.80
Average weaned weight	Average litter weaning weight (N=131)	117.32	148.00	94.00
Piglets age at weaning	Average age at weaning	19.18	21.00	16.80
Piglets weaned/sow/year	Pigs wnd / mated female / yr	22.53	25.47	19.41
Piglets weaned/female/year	Pigs wnd / female / year	21.23	24.40	18.00
Total boars	Ending boar inventory	8.65	17.00	0.00
Sows added	Females entered	203.56	450.00	31.00
Sows culled or sold	Sows and gilts culled	182.59	399.00	35.00
% Cull per year	Culling rate	53.39	72.10	26.50
Sows died	Sow and gilt deaths	38.40	89.00	6.00
% sow deaths per year	Death rate	10.42	16.90	4.90
Total sows	Ave female inv - Ave gilt pool inv	1363.60	2802.90	353.00



# PigCHAMP Benchmarking

USA2006- 4<sup>TH</sup> Quarter summary

Total farms included for summary = 488

Pigcare variables	PigCHAMP variables used	Mean	SD	Median	Upper 10 percentile	Lower 10 percentile
Repeat services	Number repeat services	114.98	120.574	73.50	273.00	22.00
% Repeat services	Percent repeat services	15.92	36.740	12.50	25.50	5.80
Total services	Total number of services	941.45	999.293	509.50	2052.00	208.00
Farrowings	Number of sows farrowed	723.26	809.685	370.50	1676.00	142.00
Farrowing rate	Farrowing rate	74.09	11.818	76.85	86.20	58.10
Total born	Total pigs born	8702.58	9901.190	4365.00	20513.00	1694.00
Totalborn per Litter	Avg total pigs per litter (n=487)	11.91	0.822	11.99	12.91	10.80
Total liveborn	Total pigs born alive	7866.09	9046.970	3920.50	18210.00	1535.00
Liveborn per litter	Average pigs born alive/litter	10.70	0.916	10.78	11.69	9.70
Liveborn/female/year	litters/fem/yr * ave pigs born alive per litter	22.80	3.855	23.22	27.10	17.92
Total stillborn	Total stillborn pigs	649.08	697.578	368.50	1629.00	121.00
Stillborn per litter	Average stillborn pigs	0.96	0.326	0.96	1.34	0.59
Total mummified	Total mummified pigs born	179.95	269.905	75.50	465.00	8.00
Mummified per litter	Average mummies per litter	0.22	0.184	0.20	0.40	0.03
Sows weaned	Sows farrowed and weaned	698.93	797.833	355.50	1668.00	147.00
Piglets weaned	Total pigs weaned	6895.23	7939.650	3452.50	16082.00	1396.00
Piglets weaned per litter	Pigs weaned per litter weaned	9.30	0.935	9.40	10.20	8.41
%total losses of LB	Pre-weaning Mortality	12.42	4.385	12.19	17.76	7.37
Avg Weaned Weight	Avg litter weaning weight (n=144)	120.04	31.974	123.00	148.00	97.00
Piglets age at weaning	Average age at weaning	19.43	2.317	19.60	21.40	17.10
Piglets wnd/sow/year	Pigs wnd / mated female / yr	20.98	3.500	21.38	24.75	16.90
Piglets wnd/female/yr	Pigs wnd/ female/ year	19.85	3.568	20.38	23.80	15.60
Total boars	Ending boar inventory	10.39	27.545	4.00	20.00	0.00
Sows added	Females entered	203.64	275.717	97.00	479.00	29.00
Sows culled or sold	Sows and gilts culled	171.07	223.059	94.50	368.00	32.00
% Cull per year	Culling rate (N=481)	53.27	35.201	46.60	76.90	26.70
Sows died	Sow and gilt deaths	29.71	47.656	14.00	71.00	3.00
% sow deaths per year	Death rate (N=481)	7.91	4.685	7.30	13.20	3.10
Total Sows	Avg female inv-Avg gilt pool inv	1278.04	1358.84	703.10	2793.80	291.00