



NATIONAL

PIG HERD PERFORMANCE

REPORT

2012

TEAGASC PIG DEVELOPMENT DEPARTMENT

JUNE 2012

SOW PRODUCTIVITY**Year 2012**

Number of Herds	84
Average Herd Size	718
Average Number Maiden Gilts	92
Litters per Sow per Year	2.3
Average Weaning Age days	30
Empty Days per Litter	14
Number Born Alive per Litter	12.56
Number Born Dead per Litter	0.84
Piglet Mortality %	11.1
Weaner Mortality %	2.62
Finisher Mortality %	2.3
Number Pigs Produced per Sow per Year	24.5
Sow Culling Rate %	52.9
Sow Mortality %	5.9
Feed per Sow per Year Tonnes	1.27

GROWING PIG PERFORMANCE 2012

Number of Herds	85
Average Weaning Weight kg	6.7
Average Live Weight at Sale kg	104.5
Average Dead Weight at Sale kg	79.3
Kill Out %	75.8
Lean Meat %	58.2
Daily Feed Intake g	1699
Average Daily Gain g	690
Feed Conversion	2.46

WEANER PERFORMANCE**Year 2012**

Number of Herds	84
Average Weaning Weight kg	6.7
Average Weaner Transfer/Sale Weight kg	37.9
Creep Feed per Weaner kg	3.1
Link Feed per Weaner kg	6.2
Weaner Feed per Weaner kg	45.2
Total Feed per Weaner kg	54.5
Daily Feed Intake g	810
Average Daily Gain g	478
Weaner Feed Conversion	1.79

FINISHER PERFORMANCE**Year 2012**

Number of Herds	85
Average Weight In kg	37.9
Average Live Weight at Sale kg	104.5
Average Dead Weight at Sale kg	79.3
Kill Out %	75.8
Lean Meat %	58.2
Daily Feed Intake g	2258
Average Daily Gain g	838
Feed Conversion	2.82

PRODUCTION COSTS**Year 2012**

COST	c per kg	No. Herds	
Feed	120	84	
COMMON			
Healthcare	6.4	53	
Heat, Power Light	4.1	52	
Transport	1.1	47	
AI	1.6	48	
Manure	1.6	42	
Labour/Management	11.6	49	
Repairs	0.3	36	
Phone/Office	0.3	36	
Environment	0.4	49	
Insurance	0.6	51	
Stock Depreciation	0.3	48	
Miscellaneous	1.5	44	
Total Common Costs	29.8		
HERD SPECIFIC			
Interest	2.1	22	
Building Depreciation	2.6	33	
Total Herd Specific Costs	4.7		
Feed	120		
Common	29.8		
Herd Specific	4.7	Loan Repayment per kg dead c	7.5
Total Production Cost	154.5	Cash Breakeven c per kg dead	157.3

FEED PRICE ANALYSIS**PIG PRICE ANALYSIS**

Feed	Price per tonne €		
Sow	303.25	Average Liveweight kg	104.5
Creep	919.74	Average Deadweight kg	79.3
Link	608.87	Lean Meat %	58.2
Weaner	354.40	Average Price per Kg Dead c	164.3
Finisher	302.27		
Composite	326.29		

SOW PRODUCTIVITY ANALYSIS**Year 2012****Top 25% of Herds selected on Number Pigs Produced Per Sow per Year**

	Top 25%	Average
Number of Herds	21	84
Average Herd Size	614	718
Number Pigs Produced per Sow per Year	26.8	24.5
Litters per Sow per Year	2.36	2.3
Weaning Age - days	28	30
Empty Days per Litter	12	14
Number Born Alive per Litter	12.92	12.56
Number Born Dead per Litter	0.77	0.84
Piglet Mortality %	8.9	11.1
Weaner Mortality %	1.78	2.62
Finisher Mortality %	1.79	2.3
Sow Culling Rate % per Year	49.2	52.9
Sow Mortality % per Year	3.8	5.9
Adjusted Feed per Sow per Year tonnes	1.22	1.27

Top 25% of Herds selected on Number Pigs Born Alive per Litter

	Top 25%	<u>Year 2012</u> Average
Number of Herds	21	84
Average Herd Size	769	718
Number Pigs Produced per Sow per Year	25.3	24.5
Number of Litters per Sow per Year	2.29	2.3
Weaning Age - days	29	30
Empty Days per Litter	16	14
Number Born Alive per Litter	13.22	12.56
Number Born Dead per Litter	0.88	0.84
Piglet Mortality %	11.6	11.1
Weaner Mortality %	2.86	2.62
Finisher Mortality %	2.92	2.3
Sow Culling Rate % per Year	53	52.9
Sow Mortality % per Year	4.8	5.9
Adjusted Feed per Sow per Year tonnes	1.27	1.27

Top 25% of Herds selected on Number Litters per Sow per Year

	Top 25%	<u>Year 2012</u> Average
Number of Herds	21	84
Average Herd Size	722	718
Number Pigs Produced per Sow per Year	25.7	24.5
Number of Litters per Sow per Year	2.39	2.3
Weaning Age - days	28	30
Empty Days per Litter	10	14
Number Born Alive per Litter	12.48	12.56
Number Born Dead per Litter	0.79	0.84
Piglet Mortality %	9.9	11.1
Weaner Mortality %	2.19	2.62
Finisher Mortality %	1.99	2.3
Sow Culling Rate % per Year	53.6	52.9
Sow Mortality % per Year	4.4	5.9
Adjusted Feed per Sow per Year tonnes	1.23	1.27

Top 25% of Herds selected on Piglet Mortality

	Top 25%	<u>Year 2012</u> Average
Number of Herds	21	84
Average Herd Size	573	718
Number Pigs Produced per Sow per Year	25.8	24.5
Number of Litters per Sow per Year	2.33	2.3
Weaning Age - days	28	30
Empty Days per Litter	14	14
Number Born Alive per Litter	12.38	12.56
Number Born Dead per Litter	0.66	0.84
Piglet Mortality %	7.1	11.1
Weaner Mortality %	1.79	2.62
Finisher Mortality %	1.94	2.3
Sow Culling Rate % per Year	50.3	52.9
Sow Mortality % per Year	3.9	5.9
Adjusted Feed per Sow per Year tonnes	1.18	1.27

Sow Productivity by Herd Size

Year 2012

Quartile	1 Smallest	2 Second Smallest	3 Second Largest	4 Largest	Average
Number of Herds	21	21	21	21	84
Average Herd Size	226	463	712	1526	718
Number Pigs Produced per Sow per Year	23.3	24.9	24.8	24.2	24.5
Number of Litters per Sow per Year	2.27	2.29	2.29	2.31	2.3
Weaning Age - days	29	29	28	31	30
Empty Days per Litter	17	15	17	13	14
Number Born Alive per Litter	12.12	12.61	12.57	12.58	12.56
Number Born Dead per Litter	0.84	0.8	0.78	0.86	0.84
Piglet Mortality %	10.7	10.4	9.9	12.1	11.1
Weaner Mortality %	2.57	1.98	2.26	2.99	2.62
Finisher Mortality %	2.31	1.88	2.48	2.28	2.3
Sow Culling Rate % per Year	50.9	49.1	55.3	53.1	52.9
Sow Mortality % per Year	4.7	3.9	4.7	6.2	5.9
Adjusted Feed per Sow per Year tonnes	1.24	1.28	1.22	1.29	1.27

GROWING PIG PERFORMANCE ANALYSIS

Top 25% of Herds selected on Growth Rate Weaning to Sale

	Top 25%	<u>Year 2012</u> Average
Number of Herds	21	85
Average Herd Size	596	732
Average Weaning Weight kg	7	6.7
Average Live Weight at Sale kg	107.5	104.5
Average Dead Weight at Sale kg	82	79.3
Kill Out %	76.3	75.8
Daily Feed Intake g	1721	1698
Average Daily Gain g	723	690
Feed Conversion	2.39	2.46
Weaners		
Daily Feed Intake g	920	810
Average Daily Gain g	523	478
Feed Conversion	1.76	1.79
Creep Feed per pig kg	3.2	3.1
Link Feed per Pig kg	6.3	6.2
Average Weaner Transfer Weight kg	39.4	37.9
Finishers		
Daily Feed Intake g	2390	2258
Average Daily Gain g	895	838
Feed Conversion	2.67	2.82

Top 25% of Herds selected on Feed Conversion Weaning to Sale

	Top 25%	<u>Year 2012</u> Average
Number of Herds	21	85
Average Herd Size	611	732
Average Weaning Weight kg	7	6.7
Average Live Weight at Sale kg	105.8	104.5
Average Dead Weight at Sale kg	80.7	79.3
Kill Out %	76.3	75.8
Daily Feed Intake g	1602	1698
Average Daily Gain g	679	690
Feed Conversion	2.36	2.46
Average Feed Price per Tonne €	318.82	326.29
Weaners		
Daily Feed Intake g	797	810
Average Daily Gain g	458	478
Feed Conversion	1.74	1.79
Creep Feed per pig kg	3.1	3.1
Link Feed per Pig kg	7.6	6.2
Average Weaner Transfer Weight kg	37.9	37.9
Finishers		
Daily Feed Intake g	2323	2258
Average Daily Gain g	880	838
Feed Conversion	2.64	2.82

TRENDS IN HERD PERFORMANCE 2000-2011

SOW PRODUCTIVITY

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of Herds	141	125	119	104	112	85	75	91	84	70	98	77	84
Average Herd Size	400	380	452	438	491	558	615	579	587	549	654	699	718
No. Pigs Produced per Sow per Year	21.6	21.4	21.9	21.8	21.9	21.9	22.2	22.5	23.4	23.3	23.9	24.1	24.5
Litters/Sow/Year	2.29	2.28	2.3	2.28	2.28	2.28	2.29	2.3	2.31	2.29	2.32	2.31	2.3
Average Weaning age -days	27	27	27	28	28	28	29	29	28	28	28	29	30
Empty Days per Litter	17	18	17	18	17	18	16	16	15	17	14	15	14
No. Born Alive per Litter	10.85	10.78	10.95	11.01	11.16	11.19	11.35	11.53	11.88	11.78	12.01	12.33	12.56
No. Born Dead per Litter	0.76	0.75	0.76	0.78	0.74	0.74	0.84	0.84	0.84	0.85	0.79	0.84	0.84
Piglet Mortality %	9.0	9.1	9.0	9.4	9.1	9.3	9.5	9.9	9.9	8.8	9.9	10.7	11.1
Weaner Mortality %	2.6	2.6	2.5	2.3	3.2	3.2	3.3	3.3	2.85	2.1	2.4	2.5	2.62
Finisher Mortality %	2.3	2.0	2.0	2.2	2.4	2.3	2.5	2.4	2.8	2.2	2.5	2.7	2.3
Sow Culling Rate %	43.5	45.3	43.5	45.5	42.2	46.2	42.9	41.6	43.8	46.4	46.3	49.9	52.9
Sow Mortality %	5.5	5.4	6.2	6.1	5.7	6.0	6.5	6.4	6.5	5.8	6	6.1	5.9
Feed per Sow Per Year tonnes	1.16	1.19	1.21	1.22	1.21	1.22	1.24	1.22	1.25	1.22	1.24	1.25	1.27

GROWING PIG PERFORMANCE

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of Herds	118	105	103	88	100	73	68	70	85	52	78	77	85
Average Weaning Weight kg	6.5	6.5	6.9	6.9	6.7	6.6	6.9	6.9	6.7	7	7	6.9	6.7
Average Live Weight at Sale kg	90.1	92.1	93.5	94.1	96.5	98.5	97.4	98.6	100.8	102.9	103.6	102.8	104.5
Average Dead Weight at Sale kg	68.1	69.6	70.8	71.3	73.0	75.0	74.0	74.9	76.6	78.4	78.9	78.4	79.3
Kill Out %	75.5	75.5	75.6	75.8	75.7	76.2	76.0	75.9	76	76.1	76.1	76.3	75.8
Lean Meat %	58.5	57.3	57.3	57.7	58.3	59.0	58.6	58.5	58.3	58.3	58.4	58.4	58.2
Daily Feed Intake g	1367	1426	1414	1427	1431	1471	1448	1495	1534	1613	1623	1609	1699
Average Daily Gain g	585	586	597	594	598	598	591	615	622	660	657	638	690
Feed Conversion	2.34	2.43	2.37	2.41	2.46	2.46	2.47	2.44	2.47	2.45	2.48	2.53	2.46

WEANER PERFORMANCE

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of Herds	141	125	119	104	112	77	72	88	84	70	98	83	84
Average Weaning Weight kg	6.5	6.5	6.5	6.9	6.7	6.6	6.9	6.8	6.9	6.7	7	6.9	6.7
Average Weight at Sale/Transfer kg	34.9	35.4	35.4	36.1	35.4	36.5	34.8	35.4	36.5	36.2	36.7	36.5	37.9
Creep Feed per Weaner kg	8.7	9.2	9.4	3.4	4.6	4.3	3.7	3.7	3.3	3.3	3.7	3.2	3.1
Link Feed per Weaner kg				6.9	7.2	7.0	7.1	6.6	6.2	6.9	5.9	5.9	6.2
Weaner Feed per Weaner kg	<u>42.5</u>	<u>44.7</u>	<u>42.4</u>	<u>41.0</u>	<u>40.6</u>	<u>42.6</u>	<u>39.1</u>	<u>41</u>	<u>43.6</u>	<u>41.6</u>	<u>45.2</u>	44.6	45.2
Feed per Weaner kg	51.2	53.9	51.8	51.3	52.4	53.9	49.9	51.3	53.1	51.8	54.8	53.7	54.5
Daily Feed Intake g	758	783	767	774	774	801	743	789	805	856	846	834	810
Average Daily Gain g	425	423	430	434	434	444	422	445	456	498	464	462	478
Feed Conversion	1.78	1.86	1.80	1.79	1.82	1.82	1.81	1.79	1.8	1.74	1.83	1.82	1.79

FINISHER PERFORMANCE

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
Number of Herds	118	105	103	88	100	70	68	79	59	60	78	77	85
Average Weight Transferred In kg	35	35.5	35.7	36.1	36.2	36.3	35.6	36	36.7	36.1	37.3	36.8	37.9
Average Live Weight at Sale kg	90.1	92.1	93.5	94.1	96.5	98.6	97.4	98.4	100.8	104.3	103.6	102.8	104.5
Average Dead Weight at Sale kg	68.1	69.6	70.8	71.3	73.0	75.0	74	74.7	76.6	79.5	78.9	78.4	79.3
Kill Out %	75.5	75.5	75.6	75.8	75.7	76.2	76	75.9	76	76.3	76.1	76.3	75.8
Lean Meat %	58.5	57.3	57.3	57.7	58.3	76.1	58.6	58.5	58.3	58.2	58.4	58.4	58.2
Daily Feed Intake g	1914	1968	1993	2021	2024	2037	2026	2039	2167	2294	2286	2290	2258
Average Daily Gain g	723	728	749	743	738	747	738	750	776	828	831	804	838
Feed Conversion	2.68	2.71	2.70	2.73	2.79	2.74	2.78	2.74	2.8	2.77	2.76	2.87	2.82

PRODUCTION COSTS

	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
COST													
Feed	76	82.9	81.3	80.6	83.9	75.6	79.6	94.3	106.7	91.9	90.4	110	120
COMMON													
Healthcare	3.8	4.2	4.3	4.3	4.4	4.9	5.1	5.8	5.3	4.5	5.2	6.1	6.4
Heat, Power Light	3.2	3	3.3	3.6	3.6	4.7	4.2	4.7	4.7	3.8	4.3	4.2	4.1
Transport	1.1	2	1.1	1.5	1.2	1.1	0.7	1.2	1.1	1.2	1.0	1.1	1.1
AI			0.7	1.3	1.3	1.3	1.5	1.6	1.5	1.5	1.6	1.5	1.6
Manure			1	1.9	2	2.4	2.3	2.8	2.6	1.8	2.3	1.9	1.6
Labour/Management	11.6	13.6	13.4	14.1	13.2	16.5	15.5	15.4	15	13.8	13.6	13.9	11.6
Repairs	2.3	3	2.2	2.2	2.4	2.5	3.2	2.3	2.4	1.8	2.3	2	0.3
Phone/Office	0.4	0.7	0.4	0.5	0.4	0.6	0.4	0.4	0.8	0.4	0.6	0.5	0.3
Environment					0.7	0.6	0.5	0.6	0.6	1.4	1.1	0.4	0.4
Insurance	0.8	0.9	0.9	1.1	0.7	0.7	0.7	0.8	0.7	0.6	0.6	0.6	0.6
Stock Depreciation	1.1	0.5	1.1	1.6	0.9	0.9	0.5	0.8	0.2	0.3	0.3	0.3	0.3
Miscellaneous	3.1	3.9	2.4	1.8	2	2.2	2.2	1.4	2.1	2.1	1.6	1.4	1.5
Total Common Costs	27.4	31.8	30.8	33.9	32.8	38.4	36.8	37.8	37	33.2	34.5	33.9	29.8
HERD SPECIFIC													
Interest	2.6	2.7	2.1	2.5	2.4	1.8	1.7	3.1	4.6	2.7	1.7	2	2.1
Building Depreciation			5.7	5.6	4.7	4.7	4.9	5.4	4.7	4.3	3.8	3.1	2.6
Total Herd Specific Costs			7.8	8.1	7.1	6.5	6.6	8.5	9.3	7.0	5.5	5.1	4.7
Feed			81.3	80.6	83.9	75.6	79.6	94.3	106.7	91.9	90.4	110	120
Common			30.8	33.9	32.9	36.4	36.8	37.8	37	32.9	34.5	33.9	29.8
Herd Specific			7.9	8.1	7.1	6.5	6.6	8.5	9.3	7.0	5.5	5.1	4.7
Total Production Cost			119.9	122.6	123.9	120.4	123	140.6	153	131.8	130.4	149	154.5