



Sow Lactation Feeder Trial:

Osborne Big Wheel® S100 Feeder vs Traditional Feeder

Below are the results of a comparison study between the Big Wheel S100 Ad Libitum Feeder and a Traditional Lactation Feeder. Four trials were run in a three-month period in a 2,500 sow farm with production of 23+ pigs weaned per mated female. Four farrowing rooms were equipped with 12 Traditional Feeders and 12 Big Wheel S100 feeders per room. Sows on Traditional Feeders were fed 3 times per day at 6:00 a.m., 3:00 p.m., and 12:00 a.m. (Data courtesy of Swine Management Systems, Fremont, NE.)

	Osborne Big Wheel		Difference	Traditional	
	177			183	
Number of sows	Average	SD		Average	SD
Backfat in (mm)	17.17	2.52		16.80	2.25
Backfat out (mm)	15.44	2.41		14.60	2.16
Backfat difference (mm)	1.73	0.73	-0.48	2.21	0.78
Death loss (pigs per litter)	1.38	1.55	-0.10	1.48	1.68
Total pigs born	12.84	3.82	+0.23	12.61	3.92
Pigs weaned per litter	10.80	1.57	-0.07	10.87	1.48
Average weaning weight per pig (lb)	12.72	1.55	+1.09	11.63	1.50
Gain per pig (lb)	9.46		+1.09	8.37	
Gain per day per pig (lb)	0.471		+0.063	0.408	
Total litter gain (lb)	102.68		+11.70	90.98	
Lactation length (days)	20.51	1.95	+0.03	20.48	2.00
Feed disappearance per litter (lb)	277.51	58.97	+26.08	251.43	58.05
Average daily feed disappearance (lb)	13.50	2.49	+1.22	12.28	2.62
Feed per pound of litter gain (lb)	2.707		-0.061	2.768	
Wean to service interval (day)	6.74	6.77	+0.11	6.63	5.77
Total born subsequent litter (pigs)	12.790	3.180	+0.51	12.280	3.720
Sow status after weaning					
Farrowed next litter (%)	72.30		+0.70	71.60	
Farrowing rate (%)	92.80		+6.60	86.20	
Removed culling (%)	23.70		+1.30	22.40	
Removed death (%)	4.00		-2.00	6.00	

For more information on Osborne Ad Libitum Feeders
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