

THE SEASON INFLUENCE ON SAWS REPRODUCTION

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OBJECTIVE

The purpose of this work was the examination of the season influence on the reproduction of saws.

METHODS

The reproduction indicators in the select stock were monitored in 10 634 litters during 3 years (2006 – 2008). These indicators were monitored: the number of total born, born alive and weaned piglets, the amount of alive born piglets, the number of weaned piglets, the weight of weaned piglets and the litter weight gain. The daily outside temperature in degree Celsius was monitored as well.

CONCLUSION

The highest decline by total born piglets was demonstrated in hot seasons (July) – 0.75 – 1.0 piglet in the litter in comparison with maximum in March - April. The decline of the number of weaned piglets of one saw was found out as a result of increasing outside temperature. At average were weaned 10.08 piglets in hot seasons June, 7.05 piglets (- 30.1 %), July 10.45 piglets (+ 3.7 %), or , August 9.25 (- 8.2 %) piglets. The temperature influence on litter gain was evidential. The average litter gain for one day was 2.46 kg in hot seasons: June 2.22 kg (- 8.1 %), July 2.19 kg (-11.0 %) and August 2.33 kg (-5.3 %). In cold months were registered gains, above-average gains were registered in the spring and autumn. The lower intensity of the growth in hot seasons we can explain by saws´ lower feed intake and their lower milk production.

The season influence on the reproduction of saws

year	month	Total born	Live born	Weaned piglets
2006	6	10.61	9.72	7.05
	7	11.66	9.81	10.45
	8	11.14	9.68	9.25
	9	11.34	9.90	10.64
	10	10.30	9.64	10.30
	11	10.98	10.44	9.58
2007	12	11.06	10.15	9.94
	1	11.92	11.11	10.51
	2	11.65	10.95	9.19
	3	11.88	10.97	10.93
	4	12.55	11.26	10.76
	5	11.60	10.70	9.89
	6	11.89	10.76	9.69
	7	11.92	10.98	10.03
	8	10.99	10.05	9.65
	9	12.78	11.48	9.61
	10	11.97	11.00	9.70
	11	11.61	10.71	9.83
2008	12	11.98	11.04	10.10
	1	12.81	11.93	10.89
	2	12.62	11.64	10.82
	3	12.61	11.74	10.06
	4	12.19	11.44	10.27
	5	12.09	11.26	10.36
	6	12.99	11.88	10.75

The season influence on the reproduction of saws

year	month	Weight of weaned pigs	ADG/piglet/day	ADG/litter/day
2006	6	7.30	0.200	1.41
	7	7.78	0.212	2.23
	8	7.43	0.212	1.96
	9	6.39	0.209	2.24
	10	6.53	0.207	2.15
	11	6.57	0.209	2.00
2007	12	7.07	0.213	2.01
	1	6.82	0.201	2.11
	2	6.41	0.189	1.75
	3	6.56	0.195	2.13
	4	6.64	0.185	1.99
	5	6.43	0.177	1.50
	6	6.81	0.187	1.81
	7	7.25	0.202	2.01
	8	6.56	0.201	1.94
	9	6.24	0.173	1.66
	10	6.61	0.191	2.00
	11	6.36	0.195	1.93
2008	12	6.71	0.195	1.96
	1	6.92	0.197	2.14
	2	7.06	0.213	2.30
	3	6.49	0.214	2.16
	4	7.24	0.215	2.10
	5	6.82	0.216	2.23
	6	5.71	0.192	2.07

