CRAL VACCINATION OF FARROWING PIGS AGAINST COLIBACILLOSIS IN A FIELD EXPERIMENT

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Our experimental study on conventional pigs
Track Szynkiewicz et.al 1980/ with formolized
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Experimental study of the study was the study was to determine the effect of oral vaccination in farrowing pigs on their healthiness and live body weight gains of 11,100 animals on two industrial pig farms.

Taccine: formolized bacterin was prepared from
the five most common enteropathogenic serotypes

E. coli in Poland.

<u>munization schedule:</u> 11,100 pigs were orally <u>accinated with one daily dose of 5 x 10 cells</u> ten days. There were 9,500 control animals.

<u>Besult</u>: oral vaccination reduced the illness <u>associated</u> with E.coli and the mortality rate <u>dropped</u> from 4.06% do 2,9% in vaccinated animals in comparision to control animals.

Table 1 shows the monthly live body weight gains measured in 25% of vaccinated and control animals.

month after vac- cina- tion	vaccinated pigs		non vaccinated pigs	
	No of pigs	increase of live body weight gain lin g	No of pigs	increase of live body we weight gain in g
1	25%	382.5	25%	373,6
2	from 11,100	749.0	from 9.494	616.4
3	pigs	627.4	pigs	651.1
4		629,9		567.8
				Sept march

The mean live body weight gains after farrowing time on farm "D" was 108,4 kg in vaccinated and 98,6 kg in control animals. On the second farm "B" the weights were 82,8 kg and 75,8 kg respectively.

Conclusions: Our results suggested that oral vaccination of farrowing pigs with a formolized polivalent vaccine has a stimulatory effect on body weight gain, and decrease the scouring and mortality associated with E. coli.

Selected references: Baljer G.: Tierarztl. prax. 1975, 3, 417; Porter P., Kenworthy W. and Allen W.D.: Vet.Rec., 1974, 95, 99; Dziąba K. A., Szynkiewicz Zb., Binek M., Jakubowski T.: I.P.V.S.Proceedings, 1980, 165.