NATIONAL PROGRAMME FOR ANALYSIS OF ON-THE-FARM SOW RECORDS

— Utilization of results by the farmer
— Analysis of factors of productivity

National computerized programme for analysis of on-the-farm sow records

J. DAGORN

Institut technique du Porc,
149, rue de Bercy,
75579 Cedex 12

The National computerized programme for analysis of on-the-farm sow records was elaborated by the following organisms : U. N. M. E., I. T. P. and I. N. R. A. and started in 1970. The purpose is the following :

— individual utilization of the programme : supply of accurate informations to the farmer about the mean performances of his herd and the situation of the latter as compared to a reference group ;

— collective utilization : establishment of a « data bank » from the informations collected allowing estimation of the real efficiency of new animal production techniques.

On October 1st 1974, this programme included 3 250 farmers, among which 83 p. 100 were members of an association of animal producers. Within two years, the increase in the numerical productivity of the sows was about 1 piglet per sow and per year, while the size of the herds increased by 12 sows.

On july 1st 1974, an analysis of data from 1 386 farms was made, revealing the variations in the analytical criteria according to the numerical productivity (table 1).

TABLE I

The National computerized programme is a simple method providing the farmer with an accurate estimation of the performances of his sow herd and of eventual problems allowing at the same time measurement of the efficiency of new techniques in normal farm conditions

Numerical productivity	— 13	13-13,9	14-14,9	15-15,9	16-16,9	17-17,9	18-18,9	19-19,9	20-20,9	21-21,9	22-22,9	23 et +	moyenne 18,1
Number of farms	12	34	52	96	174	212	261	228	157	97	35	28	
Weaning fertilization interval	60,5	45,0	37,0	31,4	26,3	21,7	18,6	16,1	14,8	13,4	12,5	10,7	22,1
Litter size at birth	9,57	9,80	10,15	10,32	10,43	10,61	10,72	10,92	11,16	11,24	11,57	11,79	10,75
Age at weaning	44,6	46,0	43,0	41,4	40,2	38,3	37,7	35,7	35,0	33,6	30,6	28,8	38,8