

international association of fish meal manufacturers

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The Fischmehl Consulting Office (FMC) in Hamburg has recently drawn our attention to dietary protein practices in 246 West German farms producing over 263,000 pigs. The feed conversion of diets containing fishmeal was better than diets based on all-soya protein, and, indeed, slightly superior to diets containing skimmed milk powder. Daily gains were the same on fish meal diets or all-soya diets. Gains on skimmed milk powder were slightly superior.

Commercially produced protein concentrates, or balancers, gave inferior gains and feed conversion. In these circumstances, the farmer would be wise to purchase ingredients of known origin and mix his own feed, rather than buying feed mixtures of unknown composition.

(Relevant tables are attached)

WHICH PROTEIN-INGREDIENT IS THE MOST PROFITABLE ONE IN SWINE FATTENING?

(ANALYSIS BASED ON FIGURES PUBLISHED IN THE MAGAZINE SCHWEINE-
PRODUZENT 12/83 PROVIDED BY A PRODUCER GROUP IN WESTPHALIA)

KIND OF PROTEIN USED IN 246 FARMS WITH A TOTAL OF 262800 PIGS

<u>KIND OF PROTEIN SUPPLEMENT</u>	<u>NUMBER FARMS</u>	<u>% FARMS</u>	<u>NUMBER PIGS</u>	<u>% PIGS</u>	<u>AVERAGE FARMSIZE</u>
FISHMEAL & SOYBEAN MEAL	70	28	70000	27	1000
OTHER ANIMAL PROTEIN & SOYBEANMEAL	14	6	15800	6	1129
SOYBEANMEAL	10	4	15300	6	1530
PROTEIN CONCENTRATE >40% PROTEIN	88	36	76900	29	874
BALANCER <40% PROTEIN	28	11	25400	10	907
SKIM-MILK	18	7	26700	10	1669
SKIM-MILK & SOYBEANMEAL	20	8	32700	12	1835
TOTAL	246	100	262800	100	1068

FEED CONVERSION

<u>KIND OR PROTEIN SUPPLEMENT</u>	<u>NUMBER OF FARMS</u>	<u>FEED CONVERSION 1:</u>	<u>SOYABEAN MEAL = 100%</u>
FISHMEAL & SOYABEAN MEAL	70	3.28	97.6
OTHER ANIMAL PROTEIN & SOYABEANMEAL	14	3.34	100
SOYABEANMEAL	10	3.34	100
PROTEIN CONCENTRATE > 40% PROTEIN	88	3.35	100.3
BALANCER <40% PROTEIN	28	3.42	102.4
SKIM-MILK	18	3.27	97.9
SKIM-MILK & SOYABEANMEAL	20	3.27	97.9
TOTAL	246	AVERAGE: 3.32	

DAILY GAIN: IN GRAMMES

<u>KIND OR PROTEIN SUPPLEMENT</u>	<u>NUMBER PIGS</u>	<u>DAILY GAIN (G)</u>	<u>SOYBEANMEAL = 100%</u>
FISHMEAL & SOYBEANMEAL MEAL	70000	589	100
OTHER ANIMAL PROTEIN & SOYBEANMEAL	15800	577	98
SOYBEANMEAL	15300	590	100
PROTEIN CONCENTRATE >40% PROTEIN	76900	573	97
BALANCER <40% PROTEIN	25400	549	93
SKIM-MILK	26700	611	104
SKIM-MILK & SOYBEAN MEAL	32700	587	99
TOTAL	262800	AVERAGE: 582	