

TABLE VII.

Experiment.	Feed.	How Prepared.	No. of Swine.		Average weight at start.	Average weight at finish.	Average net gain.	Number of days fed.	Average daily gain.	Average amount feed eaten.	Average amount feed for 1 lb. gain.
					lbs.	lbs.	lbs.		lbs.	lbs.	lbs.
1	Meal	Soaked 30 hours.	3	117	230	113	112	1'00	48	1'27	
2	Meal (half quantity fed in expt. 1).	Soaked 30 hours	4	103	240	113	112	1'27	181	1'26	
	Skim-milk								3,631	25'30	
3	Wheat shorts.	Soaked 30 hours.	5	179	261	82	56	1'16	709	3'80	
	Skim-milk								526	4'10	
4	Meal; pease, wheat and rye.	Ground and soaked 18 hrs.	2	123	196	73	56	1'30	250	3'43	
5	Meal, as in 4 (but only $\frac{1}{2}$ amount).	Soaked 18 hours.	2	120	206	86	56	1'51	188	2'17	
	Skim-milk								960	11'10	
6	Meal, as in 4 (but only $\frac{1}{3}$ amount).	Soaked 18 hours	2	116	202	86	56	1'54	125	1'45	
	Skim-milk								1,332	15'49	
7	Corn	Ground and soaked 30 hrs.	4	74	172	98	112	'87	408	4'16	
8	Corn.	Whole, soaked 54 hours	3	72	190	118	91	1'30	343	2'90	
	Skim-milk								273	2'31	
9	Pease.	Whole, soaked 54 hours.	4	100	207	107	84	1'27	356	3'33	
	Skim-milk								252	2'35	
10	Barley.	Ground, soaked 54 hours.	4	73	184	111	112	1'00	483	4'35	
11	Barley.	Whole, soaked 54 hours	4	99	199	100	84	1'19	364	3'64	
	Skim-milk								252	2'52	
12	Pease, barley and rye.	Whole, soaked 48 hours.	5	69	156	87	119	'73	386	4'45	
13	Pease, barley and rye.	Whole, soaked 48 hours.	5	69	204	135	119	1'13	330	2'46	
	Skim-milk.								1,869	13'92	
14	Pease, barley and rye.	Ground and soaked 12 hours.	5	69	173	104	119	'87	455	4'36	
15	Pease, barley and rye.	Ground and soaked	4	76	210	134	119	1'12	464	3'46	
	Skim-milk								645	4'81	

Conclusions.—From these tests to gain information as to the feeding value of skim-milk it appears that :—

1. When swine were fed with meal, barley, rye and wheat, alone 4'27 lbs. were required to give 1 lb. gain, but when swine were fed upon similar meal, half the quantity being given, and all the milk they could consume only 1'26 lbs. of meal were required for 1 lb. gain and 25'39 lbs. skim-milk. One pound meal would thus be worth 8'43 lbs. milk.

2. A mixture of pease, wheat and rye gave 1 lb. pork for each 3'43 lbs. fed. (Exp. 4.) For comparison a similar number of swine (Exp. 5) were given three-quarters the quantity of the same meal and all the skim-milk they would drink. It was then found that 2'17 lbs. meal and 11'10