

Mangels constitute a very important part of our feed for the breeding stock in winter and have been found to be of very great value as a feed for stockers.

Clover when used as part of a ration for fattening swine, has shown itself (one experiment only) to be of very small value, apparently about $\frac{1}{10}$ as valuable as an equal weight of mixed meal.

The influences affecting the relations between the dressed weight of a hog and its live weight are numerous. The average percentage which a large number of dressed carcasses constituted of the fasted weight of the living animals was 76.34 per cent.

Frozen Wheat Experiments.

The unsaleable character of some of the wheat which has been occasionally more or less affected by frost in some parts of Manitoba and the Territories led to some experiments being carried on to ascertain the approximate value of this injured grain as a feed for swine. It was fed alone, ground and unground, soaked in either case. It was also fed in conjunction with other cereals and along with skim-milk.

The following table gives in condensed form a summary of this series of experiments.

TABLE VI.

Experiment.	Feed.	How prepared.	No. of Swine.	Average weight			Number of days fed.	Average daily		Average amount of feed eaten.	Average amount of feed for 1 lb. gain.
				at start	at finish.	net gain.		gain.			
				lbs.	lbs.	lbs.		lbs.	lbs.		lbs.
1	Wheat.	Ground and soaked 12 hrs..	4	185	275	90	77	1.17	479	5.30	
2	Wheat.	Whole, soaked 42 hrs.	4	186	273	86	77	1.11	570	6.59	
3	Wheat, barley and pease.	Whole, soaked 42 hrs.	4	187	278	92	77	1.19	557	6.07	
4	Wheat.	Ground and soaked 12 hrs..	5	61	165	104	120	0.87	441	4.23	
5	Wheat Skim-milk.....	Ground and soaked 12 hours.	4	104	192	88	56	1.57	233 1011	2.65 12.51	
6	Wheat.	Ground and soaked 18 hrs..	12	103	187	84	84	1.00	442	5.26	
7	Wheat and barley. Carrots.	Ground and soaked 30 hours.	21	117	179	62	84	0.73	326 53	4.45 0.85	
8	Barley, rye, wheat and bran.	Ground and soaked 12 hours.	36	54	108	54	105	0.51	207	3.85	
9	Barley, rye wheat and bran. Skim-milk.	Ground and soaked 12 hours.	31	108	191	83	83	1.00	268 250	3.23 3.00	