

RATIONS fed during the fattening term of 82 days, from August 28 to November 18:—

TABLE XXIX.

	Grain fed.		Roots fed.		Total value of food	
	Lbs.	\$ cts.	Lbs.	\$ cts.	\$	cts.
Pen 1, feed roots	728	5 46	866	2 88	8	28
Pen 2, without roots	978	7 33				7 33

## SUMMARY.

	Weight when bought.	Value when bought.	Weight when killed.	Value when killed.	Value of food.	Profit on each pair.
	Lbs.	\$ cts.	Lbs.	\$ cts.	\$ cts.	\$ cts.
Pen 1, feed roots	171	10 26	372	22 32	8 28	3 78
Pen 2, without roots	177	10 62	372	22 32	7 33	4 37

## STOCK FOODS FOR PORK PRODUCTION.

In August, 1904, 32 pigs, ranging in weight from 43 to 80 pounds were divided into eight groups of four pigs each, and for the next 90 days fed experimentally. In each case the individuals in a group were nearly uniform in size. The groups, however, showed considerable difference in their total weights, the heaviest group weighing 300 pounds, or 75 pounds per pig, while the lightest group weighed 180 pounds, or 45 pounds per pig. It was not possible to secure a more uniform lot at the time, and it was considered better to have considerable difference in the total weights of the lots rather than to have some large and some small pigs in each lot.

The experiments lasted 90 days. During that time pigs were confined in pens with small floored yards attached. Lots 7 and 8, however, were outside, lot 7 having a small unfloored yard and a cabin wherein to sleep, while lot 8 had a clover pasture of about one-eighth of an acre and a cabin wherein to sleep.

The results speak for themselves, but it will be noticed that all supplementary foods fed other than skim-milk and pasture, had the effect of raising the cost of production. Skim-milk, on the contrary, lowered the cost very materially, and pasture had a similar effect in a lesser degree. The meal used was a mixture of half shorts and half mixed grains, oats, pease and barley.

In estimating the cost of production, the meal ration is valued at \$1 per 100 pounds, the skim-milk at 15 cents per 100 pounds, and the supplementary foods or stock foods at the cost of the same on the Ottawa markets, viz.: Anglo-Saxon stock food, 10 cents per pound; International stock food, 15 cents per pound; Herbageum 12½ cents per pound, and sugar and flax 2½ cents per pound. Pasture is not valued, but its value may be deduced from the data given.