

It will be seen from the above table that the results are a little more favorable than the preceding ones; yet the proposition does not seem to be a paying one, when cassava and sweet potatoes are fed alone. When fed alone sweet potatoes are worth \$3.00 per ton, cassava is worth \$2.60 per ton, and when fed mixed they have a value of \$1.72 per ton. Corn fed under the same conditions is worth \$17.92 per ton.

SWEET POTATOES, RAPE AND CORN.

Since cassava and sweet potatoes are both rather unpalatable, a preliminary experiment extending over 32 days was conducted, to see if rape fed with sweet potatoes would add to the palatability. At this season the cassava had given out, hence only sweet potatoes were used in this test. Three pens of four each were fed: Pen No. 1 on sweet potatoes and rape, pen No. 2 on corn and rape, and pen No. 3 on corn. The results may be stated here without giving a tabular statement.

The lot fed on sweet potatoes and rape made an average gain of 0.4 pounds per head per day; the lot receiving corn and rape made an average gain of 0.9 pounds per head per day; while the lot fed on corn alone made an average gain of 0.8 pounds per head per day. The average weight of the pigs was 84 pounds.

EXPERIMENT NO. 4.

In January, 1906, a more extended test was made to try the effect of feeding rape and cotton seed meal with cassava. Three pens of four each were selected and fed as follows (with a preliminary period of ten days):

Lot No. 1, cassava.

Lot No. 2, cassava and cotton seed meal. The cotton seed meal was made into a slop and allowed to sour before feeding. One-half pound per head per day was given.

Lot No. 3, cassava and rape, equal parts by weight.

The cassava in all cases was fed as it was dug, i. e., without any preparation. These pigs were fed for a period of 35 days, with the following results: