

allowance of protein than is called for by most feeding standards is advisable.

2. The proportion of protein to carbohydrate in the hog ration should be reduced as the pig increases in age and weight.
3. The present feeding standard requirements of protein for pigs weighing over 150 pounds and being fattened for market are satisfactory.

This study is being continued, with special attention to the effect of limited, as compared to full, feeding on the required protein level of the ration.

Comparison of Protein Supplements for Market Pigs:

Two trials designed to compare the relative efficiency of tankage, fishmeal, linseed oilmeal and a mixture of all three of these protein supplements when fed with a basic ration of corn or hominy resulted in rather definite indications that:

1. Fishmeal and the mixed supplement were about equal in nutritive value as protein supplements and appreciably superior to either tankage or linseed oilmeal.
2. Linseed oilmeal was the least desirable of the four products tested. Growth on the ration using this supplement was slow and unsatisfactory. The ration was also very laxative.

Sugared vs. Unsugared Barley for Fattening Hogs:

In view of the results of comparative studies by this department on the relative feeding values of corn and barley in which it was found that the barley appeared to be somewhat unpalatable, a feeding trial was arranged to test the possibility