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TORONTO, ONT., FEBRUARY 21, 1918

## Factors in Profitable Hog Feeding

A Few Suggestions on Supplementing the Grain Ration and Reducing the Cost—By W. E. Joseph

OTHING is more certain about the hos growing business than the fact that improper methods of feeding and management will result of reeding and management will result in little or no profit or even a financial loss on the operation. On the other hand, good methods will result in a fair profit at present prices for feeds

the barley ration would be \$1.25 to \$2 higher, a dif-ference great mough in case of a narrow pair for ference great mough in case or to cause a loss in the to pay i profit in one case or to cause a loss in the other. The margin between feeding barley and alfalfa is somewhat the convergence but it is still in favor of the mixed ration containing a supplement con-sists in the more rapid gains man on such rations. Sites in the more rapid gains man on such rations. On the containing the containing the containing the property of the containing the containing the containing the distribution of the containing the containing the containing the property of the containing the cont

Among the supplements to be used are skim milk, alfalfa hay, tankers of minds.

Among the supplements to be used are skim milk, alfalfa hay, tankers of middlings, sugar beets and linseed oil me per middlings, sugar beets and linseed oil me middlings are and condition of the pigs to be fed and on the supply of supplement to use depends on the age and condition of the pigs to be fed and on the supply of supplement available. A suffactory ration can be made up of one part of gradient or which one to five parts of skim milk by weight, topending on the supply of skim milk available. The pending on the supply of skim milk available, and the supplement of the period of skim milk wallable. The supplement of the period of skim milk wallable of the supplement of the supplement of the supplement of the supplement of skim milk to use of grain and with equal parts of sach milk to oue of grain and three and two-thirds pounds of supplement of skim milk to produce a pound of grain. The cost of feed to produce the supplement of the supplement of the supplement of skim milk to produce a pound of grain. The cost of feed to produce the supplement of the supplement of skim in this case would be \$3.60.



A Well-built Berkshire Brood Sow This sow, photographed in one of the pens at the Central Experimental Farm, Ottawa, is a good specimen of the breed-fair length and good deep side.

charging grain at 42.50 per 100 pounds and skim milk at 40 cents per 100 pounds. At present prices this leaves quite a wide margin between the cost of feed to produce the pork and the selling price of the finished animal.

the finished animal.

Another valuable supplement for use in dry let feeding is slidite hay. For this purpose alfalfa hay which contains the maximum amount of leaves is best. Bright cleam arimum amount of leaves is best. Bright cleam second or third-cutting alfalfa hay should be fed. The less on advantage in cutting, grinding or cooking the less is no advantage in cutting with little waste. A very good plan is to feed thay in a rack with slate close enough together to necessarily the best of the cooking the property of the cooking the c

with little waste. A very good plan is to feed this with a rack with slats close enough together to have an a rack with slats close enough together to have the hogs from pulling the huy of to rapid-plan with a catch trough underneath the rack to prevent and the rack to prevent and the rack to prevent and the pulled out of rack or leaves that may be pulled out of rack or leaves that may be shattered out of rack or leaves that may be shattered out of rack or leaves that may be shattered out of the hogs and the same pulled out of rack or leaves that may be shattered out of the hogs and the proposed that may be shattered out of the hogs and the proposed out of the hogs and the grains will eat of each of the hogs and the same proposed that the proposed of the hogs and the hogs will be shattered out of the hogs and the hogs were not quite as fat when the proposed a weight of 200 nounds as when the same proposed and the pigs were not quite as fat when the proposed out the proposed of the proposed out the

At present prices of finished live pork.

Tankage.

Another supplement of high value whe: available is tankage, a packing-house by-product. More or cless of this ed is produced as 'the packing-houses, which it is advisable it is of most ed is produced as 'the packing-houses, which is so which it is advisable sections local enact enough the source of supply so that freight charges are not excessive man and another than the product of the ration and the ration is made up of trein and canal. When the ration as made up of trein and canal, appears the product of the product

5 to 15 per cent. of the ration. The tendency is to feed more of the tank-age to younger animals and less to the age to younger animais and less to the older animais; also to feed more when tankage is nearer the same price per pound as grain and less when tankage becomes higher in price relative to

Shorts or Middlings.

Shorts or Middlings may be considered standard feeds for hogs. They are usually fed in combination with srains of various kinds, as corn, barley, etc. In rations of this kind two parts of grain and one part of shorts or middlings may be fed or one part of grain to two parts aborts, depending on the relative price per ound. While a ratio or this kind is better than either feed alone, it would be improved by the addition of some skim milk, tankage or alialta hay. Shorts or Middlings.

is better than either feed alone, it would be improved by the addition of some skim milk, tankage or alfalfa hay. On the feed are quite high in price, it will offer a require high in price, and the proportion of the result of the result of the result in the proportion of bran the less valuable they are, particularly for young pigs or fattening hogs. Wheat middling a very small page, wheat middling a very small proportion of prant, sould have a value soulderable proportion of ann, would have a value soulderable proportion of ann, would have a value soulderable proportion of the amount of bran in the horts. Pine wheat middlings are equal to the horts, wheat or cora if feeding value for pigs.

shorts. Fine wheat middlings are equal to barley, wheat or corn in feeding value for pigs.

Shorts, when fed as the principal feed, should be supplemented somewhat as the grains should be with skim milk, tankage or alfating and the analysis of the ration of many should be a considerable part of the ration of many should be a considerable part of the ration of many should be a somewhat the strength of the should be a considerable part of the ration and the use of sugar beets result of in a large say, and of grain the start more beets result of the should be start more beets as the start more beet as the start more beet as the start more been a mixture of sarley and start of the start more been as the start mixture of the

Hogs Should be Finished.

The amount of feed fed to swine should not be -The amount of feed fed to swine should not be restricted too much. There are conditions under which is advisable to feed limited amounts of grain for a period, but it is rarely advisable to market considerable. Hope so the swine have not reached fair market condition. Hogs sold when in such condition usually bring less per pound than finished hogs. They return little profit and are often sold at a loss. A finishing period on full feed is practically always advisable.

Pigs should not be carried to a very heavy weight. Ordinarily 190 to 225 pounds is the most desirable