

### Problems of the Farm

Contributed by Grey County Department of Agriculture

#### Tankage As a Hog Feed Supplement.

This article given is submitted to the farmers of Grey County. It will be of special value if Skim Milk is not available for litters of pigs which may be dropped early.

During the winter of 1922-23 the Department of Animal Husbandry at the Ontario Agricultural College conducted an experiment to determine the feeding value of tankage as a supplemental feed for growing hogs as compared with skim milk. Six pigs of approximately equal weight were taken from one litter and divided into two pens for the test. The grain fed was the same, both as to nature and quantity. However, the skim milk lot required three days more in which to consume the grain.

The tankage used for the test contained, upon analysis, 59.7% protein. At the commencement tankage constituted 10% of the ration for the tankage fed lot. It was observed that the pigs were not eating their food with a relish, nor were they cleaning up the quantity which pigs of their age should do, consequently the tankage was reduced to 8%—the proportion fed from that time on. The above mentioned factor in conjunction with the fact that skim milk is a great deal closer approach in palatability to the milk of the sow no doubt accounts for a greater consumption of feed and consequent lead in gains during the first three weeks for the skim milk lot.

However, from the time when the tankage lot became accustomed to their feed their gains were quite close to those of the skim milk lot (some weeks being equal) with the result that for the entire test—the skim milk lot made a greater gain of 50 pounds. The fact that they made this extra gain does not tell the whole story since the tankage lot developed into a slightly more even and uniform pen than did the others. That it is possible to balance a ration for growing pigs by the addition of tankage to home-grown grains was clearly demonstrated, since the tankage lot not only made persistent and economic gains once they got started, but were quite firmly fleshed as well as being uniform, as before mentioned.

The results are as follows: The cost of production was not as high in the case of the tankage fed lot as with the skim milk lot, due to the lower cost of supplemental feed per 100 pounds gain. On the other hand the quantity of grain required per 100 pounds gain in the skim milk fed lot was not so large, which may be explained by the fact that they were receiving, according to analysis five pounds more digestive protein in the supplement feed per 100 pounds gain than were the tankage fed lot or, in terms of dollars and cents, the 39 pounds less of grain per 100 pounds gain with a value of 63 cents lowers the cost of the supplement for the skim milk lot to .09, as compared with 70 cents for the tankage fed lot. However, the value of the extra 50 pounds in weight of the skim milk lot more than counterbalances the increased cost of production, giving an increased profit of 50 cents over cost of feed in their favor.

Where skim milk is available at a lower price its superiority would be much more in evidence. For example, where it is available at 25 cents per cwt., cost of production would be reduced to \$6.37, and at 20 cents per 100 weight to \$6.08 per 100 pounds gain as compared with \$6.27 for the tankage fed lot, and as a natural sequence profit on gains over cost of food would be increased accordingly. If one chooses to consider cost of production only, the table would indicate that with skim milk at 30 cents per 100 weight tankage would be worth \$7.84 per ton, at 25 cents per 100 weight, \$5.14 and at 20 cents per 100 weight \$36.43 per ton.

All factors considered in this particular test, there is a decided indication that where skim milk is not available throughout the year in a more or less constant quantity that tankage ranks very high as a substitute feed for skim milk to balance the ration for the growing hog in Canadian pork production.

It is also evident from several years' work with tankage that care should be taken in feeding. It does not require 15% tankage to balance up a ration composed of barley and oats. Pigs do not eat it readily if the proportion is too large. It has been found that from 8% to 10% is sufficient in a ration composed of home grown grains other than corn. Feeders also should be careful in

starting pigs on tankage to make the change gradually. These precautions taken, tankage should have good results.

Further information may be secured by writing to the Department of Agriculture at Markdale, at any time.

#### Priceville

(Our own correspondent.)

Again we have a change in the weather. No doubt it will be an advantage to some, as this soft spell will cut down the snow-drifts somewhat and allow the woodsman to work closer to the ground. We hope the roads will remain solid, however, else this district will have a fuel famine next winter.

Glad to report most of our sick cases are improving. Mrs. Jones and daughter Louise are improving considerably. Mrs. Raybault of Walkerton is assisting at her father's home in nursing the sick folks, Miss Louise and her mother.

Born.—To Mr. and Mrs. John L. McDonald, formerly of this place but now of Ottawa, a son, on Sunday, March 2. Congratulations.

Rev. Mr. Cowan of Toronto occupied the Presbyterian pulpit here on Sunday and was much appreciated. Stohart & Froom are shipping stock this week.

Miss Alberja Aldcorn is home again after attending patient, Mr. Charles Boyce, 4th Concession, N.D.R. Artemesia.

We see Mr. Colin McLean has connected up with electric energy on his town property, the former McCormick property, Durham street. We understand that Dr. Carr is preparing to move there soon.

Mr. Ed. Hogg, C.P.R. agent, is still absent from his work here. Mr. Hogg is still very poorly in health. We hope for his early recovery. Mr. Delaney, relieving him, is quite at home now in our community.

#### Corner Concerns

(Our own correspondent.)

Miss Bailey, of the vicinity of Hanover, is spending a few weeks with Mrs. Robert Mighton.

Mr. George Bovingdon, who has been engaged with Mr. Thomas Wilson for the past year, has moved into a vacant house on Mr. James Johnson's farm. He is a good workman, and his services in the neighborhood are required.

Born.—On February 28, to Mr. and Mrs. Robert Mighton, a bouncing baby boy.

Rev. Mr. Whealen is going to conduct Lenten services, commencing this Thursday night, at the church.

We are pleased to hear that our teacher, Miss McBride, has so far recovered from her operation as to resume her duties some time next week.

Mr. and Mrs. Wes. Andrews will move to their new home on this line in a few days. His neighbors in the new survey and a sleigh load from this neighborhood gathered at their place on Friday night to give him a pleasant good-bye and a welcome to this place.

Dr. McLellan's practice has so expanded that it has now reached the very north end of the Township. But as he is spoken of as a real good head as well as a good practitioner, there is nothing strange about his succeeding so well, but it must be rare satisfaction to him.

Mrs. Janet McMeekin has leased

her farm to Mr. William Aitchison, who, by the way, comes recommended as a good neighbor. She is having an auction sale of her farm stock and implements on the 14th and may go to Toronto for a time. She has still a 60-acre lot to dispose of yet, but as she has numerous prospects may have it disposed of soon.

#### Edge Hill

(Our own correspondent.)

Miss Mary McFayden is enjoying a visit with friends in Owen Sound. Mr. Alex. Jopp of Toronto is visiting his uncle, Mr. W. R. Edge and other relatives and friends here.

Mr. Harry Dunn is employed with Mr. W. G. Firth at present.

Mr. and Mrs. Thomas Bothwell of Alberta are visiting their cousins, Mesdames McNally, Glencross, Firth, and Mr. Ernest Greenwood.

Miss Edith Edge, who is teaching in Dundas is visiting her sisters, Mrs. W. J. Ritchie and Mrs. W. G. Firth. Dundas school has been closed for a couple of weeks owing to an epidemic of measles.

Mrs. Joseph McNally spent a couple of days with her daughter, Mrs. Lawrence McFadden.

Mr. John G. Firth is serving as juror at the county capital this week.

We congratulate Mrs. Ernest Greenwood and Mr. W. G. Firth on winning the debate at the Rocky school on Friday evening. The debate was, "Resolved: That exhibitions have done more to advance the cause of agriculture than have agricultural colleges." The Rocky speakers, Messrs. Charles Wepper and L. A. McLean had the affirmative side. The speakers, all of whom are amateur debaters, were highly commended for their excellent addresses. The Rocky Saugeen correspondent will probably furnish details of the meeting. The return debate is to be held in Edge Hill school on Friday.

#### MISS DALTON TARTAR MAID IN NEW BIG FILM

Athletic Paramount Star Has Fine Role in "The Law of the Lawless."

Dorothy Dalton in "The Law of the Lawless," with Theodore Kosloff, Charles de Roche and Tully Marshall in featured roles, has a role that suits her perfectly and one she likes immensely. She is seen as a Tartar girl, and this enables her to wear the picturesque costumes of the Roumanian hills, which enhance her charm and give the colorful effect which always registers so admirably on the screen. Besides, the part is one which gives Miss Dalton an opportunity for the display of the vivid acting, fiery, almost primitive in character, for which she is famed. Theodore Kosloff is also cast in a Tartar role and to this his strong personality, artistic perceptions, and dramatic force lend themselves perfectly.

Charles de Roche is excellently cast as a gypsy chieftain. His splendid physique, his strong features, his immense acting all come into play in this part. Tully Marshall is seen as a village money-lender. Fred Huntley and Margaret Loomis also are in the cast, and the latter, always a favorite, brings to her characteristic beauty, charm and grace, as well as her ability to act.

The story of "The Law of the Lawless" which will be seen at the Veterans' Star Theatre here tomorrow and Saturday nights, deals

#### Notice

Do not forget the lecture in the Baptist church on Friday evening, March 7, at 8 o'clock. "Nearest the Sunrise" is the name of the lecture, which will be illustrated by lantern slides. Admission 15c. and 25c. This will be under the auspices of the Sunday school. Everybody welcome. We will be glad to see you. lpd

with a Tartar girl who is sold at auction in payment of her father's debts and bought by a gypsy chieftain. He compels her to marry him and his manly qualities soon prompt her to love him. When her husband is captured by her countrymen she goes to his rescue with highly dramatic results.

#### A BLENDED TEA IS BETTER

Tea from one garden, no matter how fine it is, possesses certain desirable qualities but may lack others, because all characteristics are not developed under the same conditions. If the tea has a perfect flavor it may lack body; if it has body it is perhaps without the same perfection of flavor. To combine all desirable characteristics in one blend has been the work of the "SALADA" Experts for over a quarter of a century and "SALADA" is the fruit of their labors. The flavor

is more delicious than any unblended tea grown.

A cold wave may slip up on the weather bureau but it always takes place when friend wife takes off another quilt.

#### CLASSIFIED ADS.

(Too Late for Classification.)

THE REGULAR SERVICES WILL BE held in the Mulock Baptist church on Sunday, March 9 at 11 a. m. and at North Glenelg church at 3 p.m. The Mulock church has been thoroughly disinfected.

DON'T MISS THIS.—McARTHUR Shoe Company's Mid-Winter sale at their Mount Forest store, where the entire stock of boots, shoes and travelling goods are being offered at slaughtering prices. We save you money on your shoe bills.

### FARM HELP

CANADIAN NATIONAL RAILWAYS

IN CO-OPERATION WITH ONTARIO GOVERNMENT DEPARTMENT OF COLONIZATION WILL AGAIN ASSIST FARMERS IN SECURING FARM HELP.

THERE will be an urgent demand all over Canada this year. If you need farm help apply early. The Canadian National Railways Colonization and Development Department, through its representatives in Great Britain, Scandinavia and other European countries, offers a free service to farmers. Order your farm help as early as possible in order that they will reach Canada in time for Spring.

BLANK APPLICATIONS CAN BE OBTAINED FROM ANY CANADIAN NATIONAL RAILWAYS AGENT OR DEPARTMENT OF COLONIZATION AND DEVELOPMENT CANADIAN NATIONAL RAILWAYS MONTREAL, QUE.



### Wallpaper for Spring

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MARCH WINDS bring Tender Skins

To protect your face and hands against all chafing, roughening effects of the Spring winds, simply rub in a little Zam-Buk before retiring at night. This makes the skin smooth and flexible and clears it of all blemishes. Besides valuable soothing and emollient properties, Zam-Buk has far-reaching medicinal virtues which quickly overcome all sore, irritated or inflamed conditions. It purifies the whole tissue and removes the underlying causes of eczema, salt rheum, pimples, blotches, etc.

Miss Rosa Wallace of Menie, Ont., writes: "My hands were all roughened and sore through the Spring winds. But Zam-Buk soon healed and made the skin fine and smooth. It is the most soothing balm I have ever used."



ALL DRUGGISTS and dealers in ZAM-BUK at 50c. the box. ZAM-BUK MEDICAL SOAP is 25c. the cake. 70c. box of three. Direct from Zam-Buk Mfg. Co., Dupont St., Toronto.

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Misses' All-Wool Serge Dresses, sizes 8-10. Reg. \$5.00 for \$3.49

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