



## GOPHERCIDE

(SOLUBLE STRYCHNINE)

### Exterminates Gophers

**Easy to Prepare—Greedy Eaten—Sure to Kill**—these are the advantages which make Gophercide the best gopher exterminator known. It is a strychnine preparation, yet we have succeeded in so modifying it that it dissolves freely in warm water, without acid or vinegar—and is quite free from the bitter strychnine taste which warns the pests.

When you use GOPHERCIDE there is no trouble either in poisoning the grain or in getting the gophers to take it—and it is a sure killer.

A 60c. package of Gophercide, dissolved in half a gallon of water, poisons a gallon of wheat—and that's enough to kill 350 to 400 gophers—6 for a cent.

Though the ingredients of Gophercide now cost us 100% more than before the war, we have increased the price only 1/5. It now costs 60c. by the single package—59c. in lots of 5—58c. in lots of 10—55c. in lots of 25. On larger quantities get prices from your druggist, or our nearest Branch.

National Drug and Chemical Co. of Canada, Limited, Montreal.

Western Branches: Winnipeg, Regina, Calgary, Edmonton  
Nelson, Vancouver, Victoria

Buy Gasoline under the



Premier "Red Ball" Sign

### GASOLINE TRACTOR OWNERS

**DRIVE** your tank wagon to one of our stations and buy Premier Gasoline direct. It is the cheapest, most convenient way and you are absolutely sure of getting a clean, uniform, powerful fuel always.

THE IMPERIAL OIL COMPANY Limited  
BRANCHES THROUGHOUT CANADA

### "MAKING MONEY FROM POULTRY"

Anyone interested in raising and selling pure-bred poultry should have the above booklet, which has been prepared by The Guide. A copy will be sent free on application. Write for yours today. Address: THE GRAIN GROWERS' GUIDE, WINNIPEG, MAN.

these difficulties that are not known by many of our farmers. It is one thing to have discovered the solution and it is another to present the solution to the men who can make use of it. We have in connection with the Agricultural College a number of different avenues for the dissemination of this knowledge to the farmer. In the regular courses at the college we endeavor to give the students the most up-to-date knowledge along these lines; not only from the work we have conducted on our own farm, but from the work conducted on the various experimental farms and stations throughout the world. We then endeavor to reach the man who is not able to attend the college by lectures at Short Courses and Institute meetings, but even in this way we cannot get all our information to all the people who would use it. We, therefore, use bulletins, circulars and posters, in which we endeavor to make known to the farmers some of the most effective methods of solving their problems, but we believe even in this way the information required by all is not received. To cope with this to some extent, we have a large private correspondence with men throughout the province in which an endeavor is made to deal with the individual problems of the man on the farm.

### Self Feeding of Swine

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twice a day, have made an average gain of 260 pounds.

#### The Scientists Beaten

Compared to these the pigs getting the Deitrich ration have gained 185 pounds, those getting the Kellner ration 265 pounds, and the ones getting the Wolf-Lehmann ration only 145 pounds. From a physiological standpoint, at least, it is very evident that the pigs are able to balance their own ration better than any feeding expert can balance it for them.

The explanation for this, thinks Professor Evvard, is that the individual requirements of the different pigs in a lot vary at any given time, and that the requirements change from week to week. It is impossible to meet those requirements exactly by a computed ration. But when the pigs are given free choice of a sufficient variety of feeds their appetites dictate how much of the supplement to eat, and they have an accurately balanced ration every day—each hog every day.

Another thing: The variations in the demands of the animals for supplement makes it impracticable to mix corn and supplements together to feed in a self-feeder. If more of the supplement is included than the hogs desire they will root it out to get the corn, and if too little supplement is included in the mixture they will root out the corn to get the supplement. Mixtures don't go in self-feeding. Each ingredient of the ration must be put in a separate self-feeder, and then each animal can take as much or as little of each as his appetite dictates. The appetite of a hog may not always guide him just right, but in general it is a safer guide than a man-made feeding table, and gives better results.

#### Hogs Not So Hoggish

Knowing the keen appetite of hogs for tankage I wondered, when I first heard of offering it in self-feeders, how it could possibly be safe to put before them so freely. I asked Professor Evvard if the hogs ever made "hogs" of themselves eating tankage. He told me that the first time they tried feeding it in a self-feeder the hogs ate nearly two pounds of tankage apiece the first day. It looked very much as if the plan would fall flat, but they screwed up their nerve and tried it a while longer. Soon the hogs became satisfied, reached a sort of protein equilibrium, perhaps, and dropped back to a very normal consumption of the tankage.

Hogs really show excellent judgment, or instinct, in eating supplement from a self-feeder. Professor Evvard showed me a chart on which lines represented the feed consumption of a lot of pigs from weaning time until they were marketed. They were fed corn, whole oats and meat meal, each in a self-feeder. Oats consumption was very light through-

## Seager Wheeler's Prize Winning Marquis Wheat

### 20 Pounds Free

Seager Wheeler is the world's champion wheat grower. His Marquis wheat has won the International Sweepstakes three times, at New York Land Show in 1911; International Soil Products Exposition, Wichita, Kansas, 1914, and at the same exposition at Denver, Colorado, 1915. He also won the Sweepstakes at the Saskatchewan Provincial Seed Fair in 1915. There is no doubt that Mr. Wheeler has produced the best strain of Marquis wheat in existence.

#### 25 CENTS PER POUND

Mr. Wheeler has sold his Elite Stock seed wheat in 25 pound lots at 25 cents per pound. From the same strain he has been selling his pedigreed Marquis at \$6.00 per bushel. Last year he produced as high as 80 bushels per acre on some of his plots and in the many years he has been farming Mr. Wheeler has never had a crop failure, except from hailstorms.

#### 20 POUNDS FREE

Mr. Wheeler's stock of seed is getting low. We have purchased a quantity of his Prize Winning strain of Marquis to donate to our readers. We have had this seed put up into 10 and 20 pound parcels, which are worth respectively \$2.50 and \$5.00 per parcel for seed purposes. Ten pounds of this seed should seed about one-eighth of an acre, and if properly cared for will produce at least six bushels of choice seed, which in another year would produce enough seed for a large field. Mr. Wheeler will certify to the Canadian Seed Growers' Association that he supplied each of these packages from his first generation seed, and this will entitle the seed to registration.

#### TWO HOURS WORK

Any farmer who would like to get into Mr. Wheeler's prize winning and money-making Marquis, can do so very easily. We will give absolutely free a ten-pound package of this wheat to any person sending us two new yearly subscriptions to The Guide at \$1.50 each. The only thing we stipulate is that they must be subscribers whose names are not now on our mailing list. For four new subscriptions we will donate absolutely free 20 pounds of Mr. Wheeler's famous Marquis wheat. It is an easy matter to get these subscriptions and will take only a short time. Go out and get the subscriptions and send us the money and Mr. Wheeler will ship the wheat to you immediately from his own farm at Northern, Sask. Half rates apply on seed grain, so the freight charge will be only a small item.

#### A GREAT OPPORTUNITY

This is a great opportunity for any farmer to improve his seed. It will be necessary to act promptly as seed time is approaching very rapidly and our supply of this wheat is not large. Go out and show The Guide to your neighbors, get their \$1.50, give them a receipt, send us the money and the world's best wheat is yours. First come, first served. Do not delay. Begin today. Address all correspondence—

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