

Son of Woods

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HOW CANADA COMPARES WITH OTHER COUNTRIES IN WHEAT PRODUCTION.

As the value of the wheat crop on the prairie is normally about fifty per cent. of the total value of the entire annual agricultural production of the prairie provinces, it is interesting to learn how the yields of this important crop in Canada compare with those in other countries. Briefly stated, Canada has a much higher average yield per acre than any other important wheat exporting country. Some countries which import wheat have a higher average yield per acre than Canada but there are only a few of these, such as the United Kingdom, Germany and Denmark, which have a yield considerably higher, while the total quantity produced by these countries is relatively very small. Moreover, the expense of producing wheat in these countries is extremely high. Even such an important wheat producing country as France has an average yield of only two bushels per acre higher than Canada, while both Italy and Rumania have lower yields per acre.

The average yield per acre of wheat, over a period of 23 years, for the following chief exporting countries of the world, is as follows: Canada 17.8 bushels, United States 14.1, India 11.3, Argentine 10.6, and Australia 10.4. In Russia the average yield over a period of 15 years, was 9.4 bushels per acre. It will be seen, therefore, that Canada enjoys some considerable advantage over other exporting countries. This advantage is due in part to a natural adaptation of wheat to the soil and climate of this country, and, also, to improved methods of cultivation as well as to better varieties of wheat which have been introduced by scientific agriculture.

Nevertheless, in spite of this very favorable showing in average yield

POULTRY.

"Well, Mac," I said, "I suppose you're getting ready to mate up your breeders now, aren't you?"

Bruce MacDonald gave a hearty laugh. "You know right well I don't bother mating them; they just run around and mate themselves."

"Yes," I agreed, "maybe they do. By the way, where's that prize male bird of yours? Do you still have him?"

"Say, he's a dandy, do you know? Yes, I still have him; he's around somewhere. I paid ten dollars for him."

"I suppose this good bird will mate with every bird on the farm," I said.

"Well, I don't know about that," he replied, "but I suppose likely he mates with a good many of them."

"Look here, Mac," I went on, "you have a few good birds. Well, why in the world don't you put these birds in a pen with this good male of yours and get something good from them, instead of letting them go to waste around the farm?"

The foregoing state of affairs seems to prevail on a number of farms. There may be one or two good males and a few head of standard-bred females, but they are running all over the farm, the good male mating with the scrub stock as well as with the good females, and the males of the scrub stock mating with the good females.

Nearly every farm flock has some real good birds that are worth breeding from. These should be selected from the rest of the flock and kept by themselves. If there is no real good male on the place one should be procured.

The first thing to do is to select out the birds to be used as breeders, bearing in mind the purpose for which the birds are to be bred, which in most cases is egg production. Vigor above all is the first thing to consider. Health, erect carriage, prominent eye and pep all go to make and indicate vigor.

A good depth of body, as measured from the middle of the back to the front tip of the keel bone, and a broad back—one that does not cut in toward the tail—are indications of capacity, and birds showing such characters should be kept, as should birds that "handle well"—that is, have soft, pliable skin that is loose and velvety to the touch. Also a bird showing three or four fingers' capacity in the abdominal region is one that should be kept.

The birds that should be selected as breeders should be kept by themselves and not permitted to roam all over the farm. The number of males to use depends upon how many females there are in the pen. One male may be used to about twelve or thirteen females of the lighter breeds, and about one male to eight females of the heavier breeds.

Where large flocks are used, however, say of about one hundred, this proportion may be increased, so that where a flock of this size is used, four males will answer.

Matings should be made during January at the latest. Preferably, however, during December. This seems pretty early to many poultry keepers to be thinking of mating birds,



Encourage the Birds.

It really needs no argument to say that birds are useful as well as ornamental. With a few exceptions, they serve a very important purpose in keeping the earth's vegetation from being almost entirely destroyed by insect pests. They do the double duty of protecting our food for us and fixing the air with music.

Birds are diligent in their consumption of those insignificant things which cause man so much trouble. But, we wonder if man is as diligent in reciprocating.

With the deforestation of the land, which the hands of man have wrought, the harbors and hiding places for birds have been largely destroyed. Their food supply has also been tampered with, so that at times their search for food avails them nothing.

Note what is being done in the matter in the United States. To show an appreciation of birds and what they are doing for us, the city of Fort Collins, Colorado, has been officially declared a bird sanctuary where more birds can seek refuge from the rigors of the winter and be provided with food and water at times when they are scarce. The children are being especially interested, and they are being urged to feed the birds so that they will come to the windows to seek crumbs.

The outstanding facts, then, in the Canadian production of wheat are that the average yield per acre is much better than in any other exporting country in the world, but that, unfortunately, the variation from year to year is also greater than in any other country. The reason for this great variation in yield is due predominantly to variation in rainfall.

When the season is dry the yield is small. It is self evident, therefore,

that experimental work is urgently required to try to improve this condition. It is the object of Experimental Farms to experiment in order to discover methods of farming which will reduce the injurious effects of dry years. The high average yield per acre, which Canada now enjoys in comparison with that of other countries, is due in quite a large part to the results of scientific agriculture. There remains yet the difficult task of reducing the losses suffered in dry years.

especially since most chicks are not hatched before March or April.

There are reasons for this, though, one of which is that the actions of the male can be observed and if he does not show the necessary breeding qualities, he can be removed and another substituted before the actual breeding season arrives.

Further, sufficient time can elapse so that high fertility will result. In this connection, if it is at all possible to run through a preliminary hatch should be done, so that there can be no question as to the value of the male as a breeder. Early mating also permits of selling hatching eggs in addition to hatching for the home farm.



Carried the Best Romance.

That magazine carries the best romance I've ever read."

"Yes, its ads are particularly interesting, I think."

I provide greens for hens in winter, by putting about one peck of oats into a coarse-mesh sack, add an equal quantity of sand, and moisten well with hot water. Then I place sack and contents in a large splint basket and set in a warm place where the sunlight can reach it sometime during the day. In a short time the oats will send out green shoots, pushing their way through the sack the same as if it were soil. The basket becomes filled with a mass of green, and is ready to set before the hens.

Crossing produces stamina, but it does damage by destroying the purity of the breed.

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Is this not a worthy thought for rural schools, and even rural homes? The children are benefited by their acquaintance with birds, as there is something esthetic in an interest in bird lore. Furthermore, the children's interest in nature and the beauties around them become enlarged and they get interested in the conservation of nature.

Would not the last ice storm have offered a great opportunity of relieving suffering among bird friends and at the same time afforded an interesting pastime?

A Word About Driving Cars.

It takes four qualities to be a good driver of an automobile—even the cheapest. You must be able to—

Drive safely;

Drive fast—not all the time, but when it is necessary—fast but still safe;

Be easy on your passengers—partly a matter of sprigs, but much more a matter of skill;

Be easy on your engine and car; any fool can abuse a good machine.

We know, and no doubt you know, many drivers who have two of these qualities, and some who have three. The ones who have all four are rare indeed. Repair shops, hospitals, and police courts seldom see them.

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BY PETE GELLERT

When winter comes we are reminded of two things—blizzards and the old wood-saw. The two invariably go hand-in-hand, just like Santa Claus and Christmas.

Perhaps it is just a memory chord striking a note of joy and sorrow experienced way back in boyhood days. Just a few weeks ago we heard the Holiday Bells. But once more, the old rip-saw's scream and snort told us that dad was out at work and was expecting us to pull on the boots and join him.

Folks "sawed their own" then as now. Only they could cut and saw what came nearest to the ax while now they must use a good deal of forethought and be careful which trees they cut. Many of them do, while a good many do not. On the whole, however, most of us realize that timber must be regarded as a crop, just like oats, wheat, corn and potatoes.

The boys in Europe, with the C.E.F., could never help admiring the way in which the French and Germans took care of their trees and forests. It was a common sight to see old folks and young walking along the road with a bundle of twigs and small branches on their backs. And, in winter, one could see farmers coming from the woods with their two-wheeled carts loaded down with the same kind of fuel. It was a lesson for any Canadian to see these people spend half a day gathering what we burn up in bonfires or allow to rot, thus stealing from the timber supply which really belongs to a future generation.

Conservation in Canada has been preached for quite a few years. But preaching and practice don't always work like twin cylinders. Coming right down to facts, the first question any farmer will ask, when approached on the subject of forest conservation and economical home use of the wood on the farm is: "What will it save for me?" One answer is: "It will save waste of time."

If we consider it right and figure that many essentials are secondary and that there are only a few primary ones to success, there is no doubt but that the greatest waste on the farm is waste of time.

There are some farms where folks work all day long the year around. But on the majority of farms the winter-time is a period of lighter work and less hurry; November to March are usually considered the slack months on the farm. And, no one wants to sit and listen to the radio both day and evening.

If you have a hired man, don't overwork him, but keep him busy. And if you have boys, teach them that the art of wood-craft is likely to become much more profitable than the pastime of trapping, or, rather, trying to trap skunks.

When drawing and delivering, put all dry, decayed and soft wood into a pile by itself for use during warm weather. The hard wood is invaluable, for it does away with frequent feeding of the fire and much littering of the floor. Let these two assortments be kept separate when sawing. Give the housewife the feeling that for cold weather or special baking days, she has a store of wood that is dependable and as clean as coal. Saw the wood to one standard length, not too long nor too short. Any crooked or dirty wood discard for the time being. Have all the fuel piled neatly under cover where the air can circulate through it.

Where one man runs a farm alone he might join with his neighbors in cutting, hauling out and marketing these trees. Without going to the trouble of forming a association according to law, you can still unite your efforts, so that all timber on the various farms, may be taken care of and turned into cash. Each farmer should keep accurate account of his logs, so that the proceeds can be divided equitably.

Let no tree be cut without good reason, and permit a tree to stand and grow wherever there is room for one. Have every tree that is cut, worked up into sled or wagon length at once, and pile the wood so that it can not freeze down nor be snowed under.

Have it of a length that will cut into sticks for use with the least sawing.

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Home Education

* * * * * The Child's First School is the Family—Froebel.

Your Child's Idea of Thrift—By Edith Lochridge Reid

When you give your child his school allowance on Monday morning, does he have an idea where it came from?

When you take your daughter downtown to buy her a new coat, does she think that the "Charge it, please," settles the account?

Just recently Richard wanted to buy a second-hand bicycle which a chum had to sell, but his father told him he didn't have the money to spare. "Well, give me a cheque," said Richard, and when Daddy explained that there wasn't any more money in the bank, Richard insisted, "Why there is, too. I saw my teacher come out of there this noon with some dollars they had given her."

Now Richard doesn't belong to an illiterate family, nor to a poverty-stricken one, either. His father makes a deposit in the savings bank each month he receives his salary cheque, although he may run low on his income, and a right attitude toward the family finances and home comforts.

The mother who hands out to her children pennies and nickles without restriction during their babyhood, will find them demanding dollars in latter years with no appreciation whatever and with no idea of their value except as they translate it into terms of ice cream soda and frills.

Thrift involves more than the mere putting of money into the bank from a stated allowance. It is moral training in self-denial, promptness, reason, and the saving of money in the chequing account the last of the month. But Richard, although nine years old, still thinks that banks exist in the community to pass money per order by cheque.

Teaching thrift is not only a parental duty, but it is a civic obligation which the family owes to the community. To be sure, it takes more time and patience to divide up the savings account into respective accounts for each member of the family, but any moral training takes effort. Why not give five-year-old son his ten or twenty cents a week and then take him down to the bank and show him where to put half of it or a fourth for safe keeping? If he spends the remainder for candy on the way home, let him learn the consequences of such

THE CHILDREN'S HOUR

SOME ICE GAMES.

A smooth expanse of ice always prompts the question, "What can we play?" True, sharp skates and strong legs give perhaps more fun than any other single thing; still, after awhile the interest dies down and it is then that the skaters would like to try something else.

The three games or contests mentioned in this article all fall under the head of amusements. Yet any contest requires some skill and practice. Perhaps there will be one or more of these stunts you will want to try.

THE BOTTLE GAME.

In this game, each contestant is provided with a hockey stick and a pop bottle. The hockey sticks can vary in style and shape but the bottles must be all alike.

Two lines are drawn parallel on the ice, 100, 200 or 500 feet apart. Upon one line the bottles are placed three feet apart.

At a given signal each contestant commences to move his bottle across the ice toward the other line, and the one who first crosses it with his bottle in an upright position wins. Any contestant who, in his eagerness to get ahead of the rest of the racers, upsets his bottle, is taken from the race. So you see one must exercise patience and a very steady hand as well as perseverance.

BOWLING ON THE ICE.

Materials required for this game are ten blocks of wood, each four inches square, and two pieces of wood six inches square and one inch thick.

The blocks of wood are set up on the surface of a triangle. There are four blocks across each side and one in the centre of the triangle. There is a clearance of four inches between blocks.

One hundred feet from the blocks a line is drawn across the ice and the contestants are stationed behind this line. Each contestant, using a hockey stick, has two chances and a score of 100* is marked down if all the blocks are moved with the two slabs or "balls" driven from the line. Should the contestant be fortunate enough

Life.

A crust of bread and a corner to sleep in.

A minute to smile and an hour to weep in.

A pint of joy to a peck of trouble. And never a laugh but the moans come double.

And that is life!

—Paul Laurence Dunbar.

The greatest music in the world is the laughter of a child.

Happy, contented, singing hens are found in congenial environment. They are in the best of health and profit.

Successful poultrymen aim to have something for sale each day of the year, always catering to the demands of the season.

Breeding stock should be purchased early, so the fowls will become accustomed to their new home before the hatching season arrives.

