

OF INTEREST TO FARMERS

SCHOOL AND HOME

FERTILIZERS FOR FIELD CROPS

(Experimental Farms Note)

There has recently been issued from the Division of Chemistry of the Experimental Farms System a comprehensive bulletin on the subject of Fertilizers for Field Crops. It is the work of the Dominion Chemist and the Soil Fertility Specialist, both of whom have had a large and long experience with fertilizers in the laboratory and field and who have conducted experiments with fertilizers for a number of years in every province of the Dominion.

The bulletin is, as has been said, comprehensive in its nature; the endeavour has been to treat not only of fertilizers—their nature, function as plant foods and application—but to discuss the position of fertilizers in a rational method of soil management towards increasing crop yields. Further, it takes up from the practical as well as the scientific standpoint the nature and value of farm manures, of green manuring, of liming, etc., and considers how all of these may be used in the upkeep and increase of soil fertility.

It is eminently practical throughout, being intended as a guide for the man on the land who is considering the use of fertilizers and will be found instructive and of interest to all who are looking for definite, concise information on the all-important matter of increased

crop yields and the economic improvement of their soils. An important feature of the bulletin is that the conclusions and advice given are the direct outcome of investigational work carried on in the Dominion; in this respect it is the first publication of its kind in Canada and marks a distinct advance on all previous bulletins dealing with the subject.

FATTENING FOR MARKET.

The majority of farmers take but little trouble in properly preparing their poultry for market. The general public are so accustomed to buying dressed poultry of poor quality that they usually do not recognize the vast difference between a poor roaster and a well fattened one. A roaster which tickles the palate best, is one which is young, well-grown, plump and well fattened. It has a rich flavor and tastes like more, while a thin bird is not attractive when dressed, and when prepared for the table lacks flavor and may present anything but an appetizing appearance.

The fattening of poultry is a finishing process, the object being to prepare in the best way possible, poultry flesh for human consumption. Poorly fattened birds always bring lower prices and sometimes no profits are made at all in selling them.

A report from one of the largest wholesale dealers in Montreal last week reads as follows: "Good market for well-fattened poultry, but

second quality not wanted." There is usually five cents difference in price between birds taken direct from free range and the same kind of birds after three weeks in the fattening crates. The gain in weight is greater and the quality of flesh superior when wet, mashers are used than when whole grain is used in fattening.

A good fattening ration is composed of equal parts oatmeal feed, finely ground buckwheat and cornmeal. These ground grains should be mixed thoroughly and then the mixture is moistened quite sloppy with sour skim-milk. Milk is an excellent food for fattening poultry, and best results are obtained when the food is mixed a couple of hours previous to being fed.

STORAGE OF VEGETABLES

(Experimental Farms Note)

Winter storage of vegetables is an old question often discussed, but apparently not yet well understood. To store the crop seems a comparatively easy task, but to guard against heavy loss while in storage is sometimes quite a problem even for the most experienced growers.

Some of the first and most important factors influencing the keeping of vegetables in storage are to see that the vegetables are free from disease, well grown, fully matured and free from injuries such as bruises caused by careless handling at harvest time. If these

important points are kept in mind and carefully attended to at the time of selecting the material for storage, much worry and subsequent loss in dollars and cents will be avoided by the grower later on.

For the storage of such crops as beets, carrots, potatoes, cabbage, celery, parsnips and turnips, a properly constructed, frost proof cellar should be available, with adequate ventilation to keep the temperature as constant as possible around 56 F at all times during the storage period. By no means should a storage cellar become excessively damp, because excessive moisture favours the development of many of the common diseases attacking vegetables in storage, and more especially when in warm, ill-ventilated cellars. Moderate-sized, slatted bins or crates should be used for the storage of roots and potatoes, while cabbage can be stored on slatted shelves or in bins. Celery is usually stored in the root cellar.

The plants are stripped of all rough leaves and placed in an upright position on moist sand, more sand being placed around the roots. However, where only small quantities of vegetables are to be stored for household use, and a basement is available, a compartment or room should be provided therein.

Such construction as to exclude the heat from the furnace and with suitable vents in the wall to provide good ventilation. It is not advisable to store a great quantity of cabbage or turnips in the cellar of a dwelling house. A good earthen

floor in the storage room is to be preferred to cement. Where an earthen floor can be had in a well constructed vegetable room, it is seldom necessary to store the carrots, beets parsnips and potatoes in sand, because, as a rule, sufficient moisture will escape from the floor to keep the air moist enough to prevent the vegetables from withering up.

Onions require quite different conditions, while in storage, to the other varieties of vegetables. A dry, cool, dark room is best suited for this crop, where the temperature can be kept around 34 degrees F. By no means should onions be stored in a cellar, except where it is possible to maintain a dry, cool atmosphere.

Squash and pumpkins should be stored in a dry, moderately warm room, where a temperature of 50 degrees F. can be maintained. Particularly careful handling is necessary at harvest time if this crop is to be kept for any length of time. Place the squash or pumpkins on shelves or on a table, in a single layer.

PREPARING BEES FOR WINTER

(Experimental Farms Note)

Now that the honey crop of 1922 is practically all gathered it is time for the beekeeper to begin his preparations for the crop of 1923. The beekeeper's success depends largely upon the condition of

GEMS OF THOUGHT

To remember a good turn is to deserve it; to remember an ill turn is to deserve it still more.—Ivan Panin.

Good humor is one of the best articles of dress one can wear in society.—Thackeray.

Speech is a faculty given to man to conceal his thoughts.—Talleyrand.

There is a limit at which forbearance ceases to be a virtue.—Burke.

If fame is only to come after death, I am in no hurry for it.—Martial.

Better were it to be unborn than to be ill bred.—Sir W. Raleigh.

NAMES AND PHRASES

The term "brat" as applied to children has a curious origin. In the north of England lambs are provided with waterproof coats when pastured on the hills. These garments are called "brats," and the name has been transferred not only to the young sheep themselves but also to human babies.

The name of the capital of Great Britain has a very old history and goes back to the time when the Thames was much wider than it is at present. In fact, this river was then a sort of lake or lagoon up which the tide came from the sea. It was upon this body of water that the Celts built a rude sort of fort, to which they referred as

LIVING AT "HIS MOTHER'S."

The girl who goes to make her bridal home at the house where "his" parents dwell will not find it all smooth sailing. But the success or failure of the whole business depends almost entirely on her tact and on her fine understanding. Her husband will be out the greater part of the day, and more than that, he is in the surroundings to which he has been accustomed all his life, with the additional pleasure of having the girl of his heart with him. Why should he be discontented or quick to take offence?

But with her it is different. She knows how she has dreamed of a "place of her own," and it hurts her to feel how little her husband really understands her disappointment. And however charming her mother-in-law may be, there is a rivalry between the two of them—it is inevitable—both of them may do their utmost to keep it in the background—but it is always there, and neither of them is ever quite able to forget it.

And the girl will be conscious of criticism, even though no word is spoken. Her views and her mother's are bound to clash at times. Their minds are separated by thirty years. And this feeling—it is inevitable—may make her over-sensitive and irritable. But that is just the point where she will pull herself up short if she is wise. Before a girl consents to marry under these circumstances, she ought to face the inevitable disadvantages and ask herself quite sensibly "Is he worth it? or should it be happier if I waited for a home of my own?" If she decides he is worth it, she must be willing to take the sorrows as well as the joys without complaining.

GUEST-ROOM SOAP.

The matter of soap for the guest is an interesting one. As a matter of fact, most guests, at least many of them, carry their own soap in a little soap box in their travelling bags.

Moreover, most guests would not mind using the family soap which, by simply holding it under the running water, they can wash clean.

(Continued on Page 12.)

CAMPAIGN NOW OPEN

Today marks the Opening of the Guardian's great Circulation Drive--Today will be a Red Letter Day in the lives of many young people throughout the Island. Get into the race NOW and win a great prize. Two Automobiles--

One for each district--Act at once

THE FREE PRIZES AND HOW THEY WILL BE AWARDED

- FIRST GRAND PRIZE.—A five passenger STUDEBAKER "Light Six" touring car, valued at \$1595.00, and purchased from A. Horne & Co., Charlottetown. This splendid car is now on display. Call in and see it.—Then, win it.
- SECOND GRAND PRIZE.—A five-passenger MAXWELL touring car, valued at \$1385.00. Purchased from Colin Stewart, Maxwell dealer, Summerside. Call and see it today. Mr. Stewart will be glad to show you this beautiful car.
- THIRD PRIZE.—A beautiful Ennis & Co. \$400 upright Grand Piano, purchased from Miller Bros., Music Store, Great George St., Charlottetown.
- FOURTH PRIZE.—A magnificent \$150 Chesterfield, purchased from Holman's, Ltd., Summerside. A wonderful prize. Call and see it.
- FIFTH PRIZE.—RADIO RECEIVING SET. The winner of this prize will be fortunate indeed. Purchased from Rogers Hardware Co., Charlottetown.
- SIXTH PRIZE.—\$100 worth of merchandise from Prowse Bros., Ltd., Charlottetown. A splendid reward for some one.
- SEVENTH PRIZE.—\$60 Classic Kitchen Cabinet. Purchased from Holman's Ltd., Summerside.
- EIGHTH PRIZE.—\$46 Sewing Machine. Purchased from Miller Bros., Great George St., Charlottetown.

TEN PER CENT CASH COMMISSION Prizes will be awarded to all candidates who continue actively in the contest and fail to win one of the regular prizes. EVERY ACTIVE CANDIDATE IN THE GUARDIAN COMPETITION WILL BE A WINNER. YOU CANNOT AFFORD TO LET THIS WONDERFUL OPPORTUNITY PASS YOU BY. BE A WINNER. ENROLL YOUR NAME AT ONCE FOR ONE OF THE BIG PRIZES.

NOTE.—If the first Grand Prize is won by a candidate, living in district Number One, the second Grand Prize, which is a Maxwell Touring Car, will be awarded to the candidate having the highest total of votes in District Number Two, or vice versa, and the balance of the prizes will be awarded to the candidates having the next highest total of votes.

DISTRICT NUMBER ONE COMPRISES THE CITY OF CHARLOTTETOWN AND THE TOWN OF SUMMERSIDE.

HOW TO WIN AN AUTOMOBILE

DISTRICT NUMBER TWO COMPRISES ALL THAT TERRITORY IN PRINCE EDWARD ISLAND OUTSIDE THE CITY OF CHARLOTTETOWN AND THE TOWN OF SUMMERSIDE. Announcement is made today of the Charlottetown Guardian's Great \$4,000.00 Automobile Prize Competition—open to everyone. Elegant awards will be distributed free to those who enter the competition and secure votes which are given in return for subscriptions secured for The Charlottetown Daily Guardian. If you are one who would appreciate the ownership of a fine new Studebaker Touring Car, or a new Maxwell Touring Car, you should enter the competition at once. THIS IS YOUR OPPORTUNITY. It costs nothing to join this big competition, and there is nothing difficult to do. The Competition Management will help you in every possible way and advise you how to organize your friends so that you may win one of the big autos or one of the other valuable prizes. Send in your name today. Do it NOW.

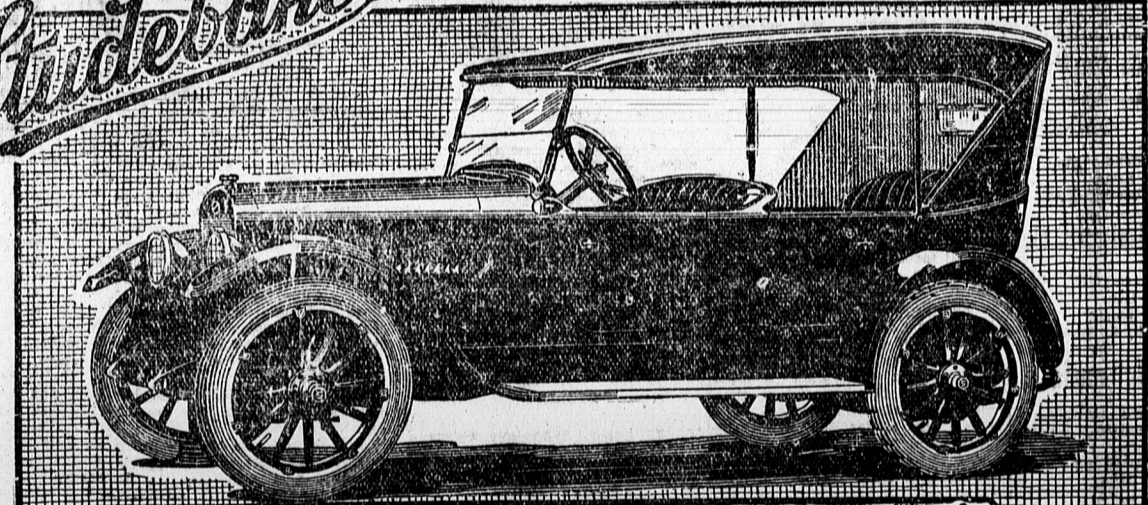
IMPORTANT

The early subscriptions count the most votes. There are four periods. The vote value of straight subscriptions will be reduced ten per cent. after September 30, and again after Oct. 14, and a further reduction of ten per cent. will be made after Oct. 28.

HOW TO ENTER THE BIG COMPETITION

You may enter the competition by filling in the nomination blank which appears on this page. The prizes will be awarded on votes secured—the votes are given in return for subscriptions collected. Old as well as new subscriptions count. The nomination blank alone gives you 10,000 votes as a starter. A VOTE coupon good for 500 votes will also appear in the paper. In addition you receive 10,000 extra votes on each and every new subscription which is a year or more in length. There is a coupon printed in this advertisement which is worth 100,000 free votes when you turn it in accompanied with your first subscription. Don't put off events—NOW IS THE TIME. The most votes are given during the first period of the competition. ACT AT ONCE. Fill in the nomination blank this minute and get started. Win an automobile. Someone must win—WHY NOT YOU?

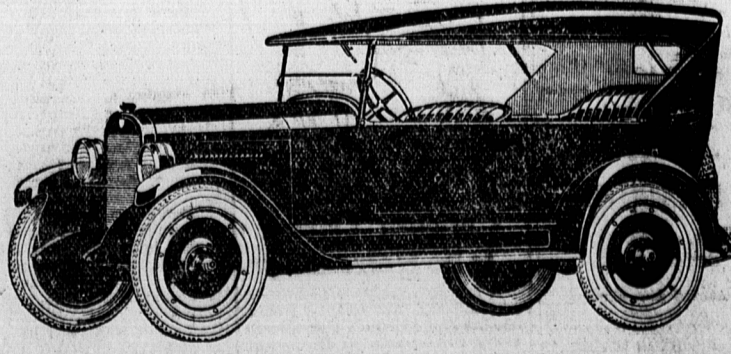
Address all communication
Campaign Dept of The Guardian
Phone 2000 Office open evenings



The Candidate who secures the highest total of Votes in The Charlottetown Guardian's great circulation Drive will be awarded the Studebaker Light Six Touring Car. See it at A. Horne & Co.'s show rooms, Kent St., Charlottetown. Make up your mind NOW to win it.

"EVERYBODY WINS"

10 per cent. Cash Commission—All Candidates who continue actively in the Campaign will receive a Cash Commission of 10 per cent. on all business they turn in, provided they do not win one of the regular prizes. You can't lose. "Everybody wins."



Beautiful \$1385 Maxwell Touring is Second Grand Prize. See it at Colin Stewart's, Summerside.

NOMINATE YOURSELF

The Charlottetown Guardian's Great Automobile Campaign Gentlemen:

I nominate _____

Address _____

District No. _____

Phone _____

Nominated by _____

10,000 FREE VOTES

Given with the first nomination for each new member. The names of persons making nominations will not be divulged.

ENROLL YOUR NAME EARLY

HOW TO GET 100,000 VOTES QUICKLY

First Subscription Coupon to Help You Get an Early Start

Return this Coupon with your first subscription for one year and you will receive in addition to the regular number of votes shown in the vote schedule 100,000 EXTRA VOTES.

(Name of subscriber) _____

Address _____

Candidate _____

Only one of these credits to each candidate