

# The Canadian Horticulturist

Published by The Horticultural  
Publishing Company, Limited

PETERBORO, ONTARIO



## The Only Horticultural Magazine in the Dominion

OFFICIAL ORGAN OF THE ONTARIO AND QUEBEC  
FRUIT GROWERS' ASSOCIATION

H. BRONSON COWAN, Managing Director

1. The Canadian Horticulturist is published on the 25th day of the month preceding date of issue.

2. Subscription price in Canada and Great Britain, 60 cents a year, two years, \$1.00. For United States and local subscriptions in Peterboro (not called for at the Post Office), 25 cents extra a year, including postage.

3. Remittances should be made by Post Office or Express Money Order, or Registered Letter. Postage Stamps accepted for amounts less than \$1.00.

4. The Law is that subscribers to newspapers are held responsible until all arrears are paid and their paper ordered to be discontinued.

5. Change of Address—When a change of address is ordered, both the old and the new addresses must be given.

6. Advertising rates \$125 an inch. Copy received up to the 15th. Address all advertising correspondence and copy to our Advertising Manager, Peterboro, Ont.

7. Articles and Illustrations for publication will be thankfully received by the Editor.

### CIRCULATION STATEMENT

The following is a sworn statement of the net paid circulation of The Canadian Horticulturist for the year ending with December, 1912. The figures given are exclusive of samples and spoiled copies. Most months, including the sample copies, from 11,000 to 12,000 copies of The Canadian Horticulturist are mailed to people known to be interested in the growing of fruits, flowers or vegetables.

January, 1912	9,988
February, 1912	10,437
March, 1912	10,877
April, 1912	11,788
May, 1912	12,112
June, 1912	10,946
July, 1912	10,986
August, 1912	11,148
September, 1912	10,977
October, 1912	10,971
November, 1912	11,162
December, 1912	11,144

132,556

Average each issue in 1907, 6,627

" " " " 1908, 8,635

" " " " 1909, 8,978

" " " " 1910, 9,967

" " " " 1911, 9,541

" " " " 1912, 11,046

January, 1913, 11,243

Sworn detailed statements will be mailed upon application.

### OUR GUARANTEE

We guarantee that every advertiser in this issue is reliable. We are able to do this because the advertising columns of The Canadian Horticulturist are as carefully edited as the reading columns, and because to protect our readers we turn away all unscrupulous advertisers. Should any advertiser herein deal dishonestly with any subscriber, we will make good the amount of your loss, provided such transaction occurs within one month from date of this issue, that it is reported to us within a week of its occurrence, and that we find the facts to be as stated. It is a condition of this contract that in writing to advertisers you state: "I saw your advertisement in The Canadian Horticulturist."

Refuge shall not ply their trade at the expense of our subscribers, who are our friends, through the medium of these columns; but we shall not attempt to adjust trifling disputes between subscribers and honourable business men who advertise, nor pay the debts of honest bankrupts.

Communications should be addressed

THE CANADIAN HORTICULTURIST,

PETERBORO, O.N.T.

## EDITORIAL

### SPRAYING EXPERIMENTS

The increased attention being given by our agricultural colleges and experiment stations to the prosecution of extensive experiments in spraying (both in the orchard and greenhouse) is only one of the many indications of the great advances that have taken place in this practice during the past ten years. This is not to be wondered at. The increased financial returns which invariably follow thorough, well-timed spraying have been demonstrated so conclusively, the practice is becoming well nigh universal among our leading orchardists.

This is a season during which the fruit grower who has not already done so should aim to post himself in regard to the latest results obtained by the experiment stations of both Canada and the United States. Speaking generally it may be said that no fungicide has been found that holds diseases in check as well as Bordeaux. One of the chief objections to the process, however continues to be the fact that when showers follow soon after an application of Bordeaux the leaves are likely to be spotted and the fruit russeted by the fungicide. When the apples are sold in barrels this injury is seldom great enough to be of importance.

Lime-sulphur has in most cases proved a satisfactory substitute for Bordeaux. It causes little or no injury and in some seasons controls the disease as well as Bordeaux. Experiment conducted by the New Hampshire experiment station show that commercial lime-sulphur, diluted two to fifty, has been repeatedly used on foliage without injury although a weaker spray is probably desirable. Arsenate of lead is the only insecticide that has proven satisfactory for use with lime-sulphur. For such diseases as the leaf spot the self-boiled lime-sulphur has given good results, but in most cases it has not held other diseases in check as well as Bordeaux and commercial lime-sulphur.

Helpful bulletins and pamphlets dealing with spraying that have reached The Canadian Horticulturist during the past few months and which our readers might well write for, if looking for information on these subjects, include the following among others: "Concentrated Lime-Sulphur Spray," bulletin 115, of the State College, Centre County, Pennsylvania; "Fungicides in the Apple Orchard," by Chas. Brooks of the New Hampshire College, Durham, N.H.; "The More Important Insect and Fungous Enemies of the Fruit and Foliage of the Apple," by A. L. Quaintance and W. M. Scott, being Farmers' Bulletin 492 of the United States Department of Agriculture, Washington; "Tests of Summer Sprays on Apples, Peaches etc.," being part five of the annual report of the Connecticut Experiment Station, New Haven, Conn.; "Orchard Spraying Experiments," being bulletin number 193 of the Maine Agricultural Experiment Station, Orono, Maine; "Some Common Spray Mixtures," by O. S. Watkins, of the Agricultural Experiment Station, Urbana, Ill.; and "Injurious Insect Pests, Fungous Diseases, and Spray Formulas," being circular 58 of the Department of Agriculture, Albany, N.Y.

### ADVERTISE THE APPLE

The value of the apple as an article of diet should be advertised more widely. Fruit growers have not awakened to the possibilities of an intelligently conducted campaign of this character. The explanation of the comparatively small home demand for our unequalled Canadian apple, with the consequent prevailing low average prices paid in the home markets, is due to the fact that the Canadian people are not as yet familiar with the value of the apple for dessert and cooking purposes.

For years the milk of the Holstein cow was considered to be lacking in nutritive value. On the other hand the word Jersey carried with it an implication of the highest possible quality in milk. Of recent years the Holstein breeders have been conducting an intelligent, persistent educational campaign through magazines and other mediums. They have advertised that the milk of their cows is more evenly balanced in the nutritive elements of milk than the milk of any other breed of cow. To-day many hospitals are using Holstein milk for infants in preference to other kinds.

Our Fruit Growers' Association might well take a leaf from the book of the Holstein breeders. Attractive, well colored advertisements of certain brands of apples were they to appear in our magazines and similar mediums would create a surprising demand among our more wealthy class of citizens for this product of our Canadian orchards. We have not begun to develop the home markets as we might.

The Hamilton and St. Thomas Horticultural Societies are to be congratulated upon the success of their efforts, in cooperation with some of their local newspapers, to publish several pages of illustrations of beautiful gardens and streets. The St. Thomas Daily Times and The Hamilton Spectator have both issued splendid illustrated sections showing the homes and gardens of representative citizens. The effect on the public of such enterprise is always beneficial. Officers of other horticultural societies would do well to write to these papers for extra copies of these editions in order that their local papers and their own members may be encouraged to follow these worthy examples.

The citizens of Toronto through their Boards of Trade and similar organizations have been conducting investigations with the object of ascertaining the cause of the increased cost of living. At the same time they have prosecuted a fruit grower who undertook to sell apples in a market stall in quantities smaller than one bushel. We realize, of course, that the by-law under which such prosecutions are conducted were passed with the object of protecting local taxpayers from competition by non-taxpayers; but nevertheless, the citizens of Toronto should recognize the fact that all such restrictions strengthen the middlemen at the expense of the consumer and thereby add to the cost of living. The elimination of a few by-laws such as the one referred to would have some effect at least towards lowering the price of food products.

For a year or more an agitation has been in progress in Canada which has for its object the placing of traction ditchers on the free list. In December Mr. A. B. McCoig, M.P., of West Kent, presented a resolution in the House of Commons declaring that traction ditchers should be