



Information Practical and Profitable—Write for it.

DON'T EXPECT THE ONTARIO AGRICULTURAL COLLEGE

To run your farm better than you can yourself. The sane, practical, progressive Canadian farmer is already among the most efficient on earth. By means of machinery, skilful management, hard work and common sense he is now producing more foodstuffs per man than any other farmer in the world.

AND YET—no one welcomes sound and practical information more than does the *Ontario Farmer*. Conditions change constantly; bugs, blights and diseases constitute an ever-present menace; the question of soil fertility and fertilizers attains a new significance; scientific feeding and breeding arouse a wider interest; production must go on though the labor situation was never so acute. From a dozen angles problems confront him.

THOUGH HE HAS the intelligence to solve these problems, he lacks the time—he is too busy producing food. Hence his demand for practical and timely information that he can apply profitably in his business. This is where

The College Fills the Bill

It will supply him with the latest practical information absolutely free of cost. It has his interests at heart, and is prepared now in still greater measure to co-operate with him. Thousands in the past have secured this timely information which has meant dollars to them. YOU ARE PARTICULARLY INVITED, IN THIS CRITICAL YEAR, TO TURN THE WORK OF THE COLLEGE INVESTIGATORS INTO DOLLARS ON YOUR OWN FARM.

Write for Information Now

Of course, a personal visit to the College is to be preferred—then you can discuss the matter fully. Each Department and Professor will be glad to see you and to give you all possible information. But failing that, write to any of these whose names are listed hereafter along the lines suggested. Write directly to each Professor concerned and, unless otherwise directed, address him at the *Ontario Agricultural College, Guelph, Ontario*. You will receive an immediate reply.

Live Stock, Poultry, Bees

ABOUT LIVE STOCK.—For information regarding any problem connected with the breeding, feeding, management and stabling of horses, cattle, sheep and swine, write PROFESSOR G. E. DAY.

PRACTICAL DAIRY INFORMATION.—Any questions regarding the production of milk, feeding of cows, dairy stabling and equipment, cheese and butter-making (factory and home) milk by-products, testing milk, marketing milk and its products, the city milk trade and the milk condensery business will be answered by PROFESSOR H. H. DEAN.

VETERINARY ADVICE.—For information concerning the symptoms, cause and remedy of any disease affecting live stock, and the best treatment for a sick or injured animal on the farm, write PROFESSOR J. H. REED, V.S., 170 WOLWICH ST., GUELPH.

MAKE YOUR POULTRY PAY.—For the latest information concerning the hatching, rearing and fattening of chickens, egg production, house construction, feeds and feeding of poultry, general poultry hygiene and all matters relating to poultry, write PROFESSOR W. R. GRAHAM.

MONEY FROM HONEY.—Any question relating to the apian—spring, summer, fall and winter management, honey production, swarm control, re-queening, foul brood control and other diseases, extraction of honey, marketing, apian equipment and supplies or any other—will be answered by MORLEY FETTER, PROVINCIAL APIARIST.

Field Crops, Fruit, Farm Accounts

THE FIELD HUSBANDRY DEPARTMENT conducts thousands of practical experiments in the fields at the College, and carries on great numbers of co-operative experiments with crops on farms in every part of Ontario. It is particularly well qualified to answer any question in regard to field crops relative to varieties, selection of seed, date of seeding, quantities of seed per acre, preparation of the soil, depth of plowing, value of growing grain mixtures, methods of cultivation, use of fertilizers and farmyard manure, rotation of crops, change of seed, methods of harvesting and storing—light crops in relation to cereals, legumes, fodder, crops, potatoes and roots. Send information is available now regarding the results of Field Work. Write DR. C. A. WATKINS.

ORCHARD AND GARDEN.—The Horticultural Department gives information along four distinct lines: fruit growing, vegetable culture, flower subjects and landscape gardening. Any question relating to any phase of these subjects—best varieties, location of orchard, planting and caring for your orchards, pruning, grafting, tillage, cover crops, and ploughing of orchard, cultural information for apples, pears, plums, peaches, bush fruits, grapes and strawberries; irrigation for small fruits and vegetables, vegetable seed growing, green-house work, cultural information for all vegetables, flowers for farm home, the perennial border, culture of all varieties of flowers grown in Ontario, growing flowers under glass; ornamental planting of the farm home grounds and rural school grounds, best trees for roadside planting, and select list of ornamental trees, shrubs, hardy vines, etc.—will be promptly answered. An expert in landscape gardening will be sent free of cost to make plans for home or school grounds upon request. For fruit information write PROFESSOR J. W. CROW; for vegetables, A. H. MACLENNAN, B.S.A.; for landscape gardening, A. H. TOMLINSON; for flowers, W. HUNT.

FARM MANAGEMENT AND FARM ACCOUNTS.—For information regarding any phase of these subjects write A. LEITCH.

[Weeds, Fungi, Insects, Bacteria]

DEPARTMENT OF BOTANY.—Do weeds lower your profits? Then send a sample of the worst ones to this Department. They will be identified and information regarding their eradication will be sent you. Or are you doubtful as to the purity of the seed you sow? Send in a sample and have it analyzed. The Department will tell you exactly the kinds and proportion of weed seeds in it. Directions will be sent upon request, also for the control by spraying of field mustard, Apple Scab, Peach Leaf Curl, Brown Rot and all other fungous diseases. Full information regarding the spraying of potatoes to prevent blight and the treatment of seed grain to control smut will be given. In fact, any questions relating to weeds, weed seeds, eradication of weeds and the control of fungous diseases affecting any kind of crop will be answered promptly by PROFESSOR J. E. HOWITT.

KILL THE INSECT PESTS.—The Department of Entomology will assist you. For complete information regarding insects—cutworms, grasshoppers, wire worms, scale insects, plant lice, codling moths, and the rest—and how to combat them, write DR. C. J. S. BETHUNE. For complete information regarding practical spraying, spraying mixtures and spray outfits; winter injury to fruit trees and its prevention; and protection to trees from mice and rabbits, write LAWSON CAESAR, B.S.A., PROVINCIAL ENTOMOLOGIST.

THEN THERE ARE THE BACTERIA.—For information regarding the symptoms, cause and cure of infectious or contagious animal diseases, as Tuberculosis, Infectious Abortion, Anthrax, poultry diseases, etc.; and of bacterial diseases of plants, as Soft Rot of Vegetables, Black Leg of Potatoes, Fireblight of Pears and Apples, etc., write PROFESSOR D. H. JONES.

Feeds, Fertilizers, Farm Machinery

DEPARTMENT OF CHEMISTRY is prepared to advise farmers with their soil problems, samples of

soil forwarded to the Department will be analyzed and the enquirer advised as to its needs. Special information regarding fertilizers may be secured now by any *Ontario Farmer*. Animal feeds sent in for inspection and analysis will be examined for nutrients, and the sender advised of their composition. Well water is examined for impurities free of charge. Flour problems and bread-making have been long studied, and the housewife may secure valuable information by writing for it. The relative values of different human feeds will be explained to all correspondents requesting the same. Write PROFESSOR R. HARRCOURT.

THE DEPARTMENT OF PHYSICS specializes along three different lines, as follows:

For information concerning the heating of farm buildings, electrical machinery and equipment, windmills, gasoline engines, telephones, lightning rods, lighting of dwellings and stables, write PROFESSOR W. H. DAY.

Latest information regarding sewage disposal, farm water supply, pumps and hydraulic rams, cold storage and ventilation of farm buildings may be secured from R. R. GRAHAM, B.S.A.

If you wish a survey made of your farm for drainage purposes or full information regarding any drainage problem, write J. R. SPRY, B.S.A.

FARM MECHANICS.—To secure information regarding the planning and equipping of a farm workshop, care of tools, buildings or making gates, ladders, exenvers, trap-nests, coops, feed hoppers, fly-traps, belt hacing, knots, hitches splices, etc., write PROFESSOR JOHN EVANS.

[Co-operation, Recreation, Study]

THERE IS STRENGTH IN UNION.—Therefore, secure information regarding the various phases of co-operation—the difficulties and how to overcome them, the methods of organizing and management, where and when to co-operate, how to incorporate a society, and the best way to raise funds—by writing H. H. LEDREW, B.S.A.

BE YOUNG—LEARN TO PLAY. Latest information regarding play and recreation for young and old alike—the play equipment of rural schools, public speaking and debating, dramatics, recreation associations, community gatherings, athletics and athletic meets for the country, etc.—may be secured by writing ALEXANDER MACLAREN, B.S.A.

DO YOU SPEAK IN PUBLIC? If so you often wish special information regarding the topic, you have been asked to speak or to debate upon.

You can secure it by writing MARY URIE WATSON to send you material from the Macdonald Institute Loan Collection. Over 30,000 clippings and articles are at your disposal, comprehending nearly every conceivable subject used in popular speaking.

Most Important of All

DON'T TRUST TO MEMORY. It isn't possible to remember all the above names and subjects without more study than you have time to give. So preserve this page—file it in a convenient place, or tack it to the granary or woodshed door. Then use it as a calendar for yearly advice. Just when you want information the most you will know exactly whom to write for it. It will save time and may mean many dollars to you.

When writing please mention this advertisement, and give us complete information regarding your problem as possible. It will ensure a prompt and satisfactory reply. For fuller details write the Office of the Commissioner of Agriculture, Parliament Bldgs, Toronto.



The Ontario Department of Agriculture

Parliament Buildings, Toronto

Sir Wm. H. Hearst
Minister of Agriculture

G. C. Creechman
Commissioner of Agriculture

The Farmer's College—Belongs To You