

FOR FARMERS, STOCK BREEDERS AND GARDENERS

FUR FARMING and ITS ACTIVITIES

The Future of Fur Farming Depends Largely Upon Those Engaged in It—Producing Fur and Ourselves and the Success of These Fox Men of Experience—Qualifications of a Good Fox Dog—Catching Animals a Natural Tendency—Caution Against Introduction of Disease. Question and Answer.

THE FUTURE OF FUR FARMING

It is always dangerous to assume the role of a prophet for things rarely work out as one thinks they will. The result that the man who attempts to dip into the future seldom enhances his reputation. However, a man writing on the fox industry has to take chances even with his reputation so a few guesses, more or less, may not do any special harm.

In order to foretell the future one must be familiar with the past and the present. If one wishes to make a sane prophecy he must take under the present with its series of seemingly unrelated events, with the hope of discovering the trend of things. Everyone knows that fur farming is an industry with a very brief history. It only seems like the other day when a fox farm was a curiosity; now there are fur farms—hundreds of them—in every Province of Canada, in many states of the American Republic, as well as in many other parts of the world.

Fox Farms were started to meet a human need. Silver Fox furs were in great demand; the supply was decreasing. The problem was to increase the supply, but how? The first step was to produce a fur of quality, was the answer. From time immemorial furs have been worn by humans, originally for warmth and comfort; later for warmth and comfort, plus style. Undoubtedly silver fox furs are a luxury; one has to face the facts. A lady will live just as long if she never owned a silver fox stole, possibly she might not be so contented and happy, but nevertheless ladies who—thousands are obliged to—worry along without having a silver fox fur of any kind or description. This is merely emphasizing the fact that silver foxes are not staples like cattle, sheep or pigs but occupy a unique position.

To the writer it has been nothing short of remarkable that silver foxes should have stood up so well during the years. Remember during the war what good prices were realized for silver foxes. Remember when the big coal miners strike took place in the British Isles, how the auction sale of silver foxes had to be postponed? I can recollect the bitter disappointment of fur farmers when word was received of the postponement of the sale. However, they worried unnecessarily, for a month later when the sale of silver foxes took place in London, most satisfactory prices were realized and all fox farmers breathed easily again.

In contrast to the way in which the silver fox industry has reacted to adverse conditions, I need only point to the fluctuations, the ups and downs, of such staple articles as wheat, potatoes, beef and lumber. The potato farmer realizes good prices one season and possibly the next year he can hardly give them away. Without the facts of history before him one would at once conclude that when hard times come, luxuries would be the first to be hit, while staple articles would stand up under the strain. As a matter of fact, the reverse very often is true and it is remarkable that it is true. Unfortunately, the fox industry

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Canadian Field Seed Imports

Of the field seed imported into Canada for the year ending June 30, 1934, according to the market service report of the Dominion Seed Branch, the United States supplied 3,517,869 pounds of field corn; 9,450,879 lbs. of timothy; 1,570 lbs. of alfalfa; 302 lbs. alfalfa; 150,913 lbs. blue grass; 3,041 lbs. field beans; 122 lbs. flax; 445,111 lbs. millet; 168,268 lbs. flax; 190 lbs. soybeans; 313 bushels; 10,308 1/2 lbs. barley; 62,211 lbs. oats; 940 lbs. speltz and emmer; 2,440 lbs. wheat; 1,702 lbs. bent grasses; 312 lbs. clover; 4,897 lbs. fescue Chewings; 6,997 lbs. clover fescues; 5,717 lbs. orchard grass; 5,593 lbs. red clover; 122,308 lbs. red top; 6,000 lbs. Italian ryegrass; 5,380 white clover; 124 lbs. grass mixtures; 9,006 lbs. other grasses; 6,420 lbs. mangels; 26,167 lbs. rape; 30 lbs. field peas; 1,084 lbs. field turnips; 3,993 lbs. sugar beets; 67, 868 lbs. sunflower; 3,429 lbs. field turnips; 72,999 lbs. Sudan grass; and 6,130 lbs. vetches.

During the same period Great Britain supplied Canada with 2,000 lbs. of barley; 4,440 lbs. oats; 18,216 lbs. timothy; 60 lbs. wheat; 200 lbs. timothy; 1,140 lbs. bent grasses; 111 lbs. fescue Chewings; 10,244 lbs. clover; 224 lbs. fescue Chewings; 6,022 lbs. other fescues; 12,400 lbs. orchard grass; 80 lbs. red clover; 112 lbs. red top; 18,360 Sudan grass; English perennial; 25 lbs. Italian ryegrass; 2,290 lbs. Sudan grass; 26,310 lbs. white clover; 249 lbs. grass mixtures; 8,640 lbs. other grasses; 281,633 lbs. mangels; 13,147 lbs. rape; 300 lbs. field peas; 111,768 lbs. rutabagas; 2,470 lbs. sugar beets; and 38,871 lbs. field turnips.

Field seeds from New Zealand were 3,041 lbs. bent grasses; 101,572 lbs. fescue Chewings; 32,936 lbs. ryegrass (English or perennial); 1,120 lbs. Italian ryegrass; 500 lbs. grass mixtures; 7,106 lbs. other grasses; Holland supplied 400 lbs. creeping bent grass; 1,200 lbs. fescues; 300 lbs. orchard grass; 400 lbs. ryegrass (English or perennial); 200 lbs. other grasses; 14,475 lbs. mangels; 350 lbs. rape; 10,795 lbs. field rutabagas; 2,475 lbs. sugar beets; 11,064 lbs. sunflower; 8,175 lbs. field turnips; and 2,240 lbs. speltz and emmer. Danish exports of field seeds were 224 lbs. fescues; 6,976 lbs. orchard grass; 360 lbs. ryegrass (English or perennial); 3,360 lbs. white clover; 6,608 lbs. other grasses; 661 lbs. mangels; 1,061 lbs. field turnips; and 4,400 lbs. vetches. France supplied 700 lbs. grasses; 817 lbs. mangels; 25 lbs. field rutabagas; 2,280 lbs. sugar beets and 13 lbs. field turnips. Germany sent 200 lbs. fescues; 24,206 lbs. white field clover; 800 lbs. other grasses; 609,572 lbs. sugar beets; and 150 lbs. 572 lbs. Poland contributed 16 lbs. vetches and 1 pound of red clover. All the foregoing amounts do not include the garden seeds imported into Canada.

Egg Laying Contest

Report of the Prince Edward Island egg laying contest for the week ending August 7, 1934. Sid. Owner's Name Pts. 1. William Sanson 2072.7 2. Mrs. J. F. Easton 1934.3 3. Exp. Station Ch'town 1929.3 4. Mrs. J. D. McParlane 1926.6 5. Mrs. Roland Easter 1914.6 6. Exp. Station Ch'town 1758.0 7. Exp. Station Ch'town 1640.8 8. Mrs. J. H. McPhail 1637.7 9. Wm. Robert Brown 1581.2 10. Dr. J. R. Cunningham 1486.1 11. S. R. Pendleton 1399.8 12. S. R. Pendleton 1249.8 Weekly production 53.4 per cent.

Leading pens for week: Pen Eggs Points 1 ... 51 ... 59.9 2 ... 44 ... 52.8 7 ... 44 ... 50.9 7 ... 43 ... 50.9 8 ... 40 ... 45.3

Leading hens to date: Pen Hen Eggs Points 9 ... 4 ... 216 ... 251.8 1 ... 7 ... 217 ... 249.8 1 ... 9 ... 207 ... 243.7 8 ... 1 ... 209 ... 239.1 2 ... 9 ... 199 ... 232.3

F. A. Driscoll, Manager of Contest; Dr. J. A. Clark, Superintendent.

The Muskoka Forest

During their investigations of an outbreak of the eastern hemlock looper caterpillar in the regions of Muskoka Lakes in the province of Ontario the results of which are published in the June number of Scientific Agriculture, officers of the Dominion Entomological Branch noted that the regional forest might be divided into three main types. One type included old stands of hemlock, either pure or mixed to a small extent with white pine and different hardwoods, such as the sugar maple and American elm. This type of forest is mostly over 80 years old and has not been touched by fire but was most exposed to the recent hemlock looper attack. The undergrowth is composed of ground hemlock and blueberries, and in the very dense stands the soil is covered with needle debris only. Natural reproduction of hemlock occurs in places where windfalls have brought in sufficient light.

Old stands of white pine which cover mostly the south and southwest sides of the hills and the drier situations represent the second type. These white pine stands are also mature and apparently suffered only little from fires. Frequently the stands are mixed with hardwoods such as white and red oak, yellow and white birch. Hemlock is scattered here and there only and was not attacked by the looper.

The third type covers land re-

THE MARKETING ACT To Improve Methods and Practices in Marketing

At the annual convention of the Canadian Society of Technical Agriculturists, which was also attended by the Canadian Seed Growers' Association, Macdonald College, Quebec, Dr. Barton, Deputy Minister of Agriculture, Ottawa, gave a lucid explanation of the new marketing act which is in its formative stages and is officially known as the Natural Products Marketing Act, 1934. The preamble of the Act reads: "An Act to improve the methods and practices of marketing of natural products of Canada and in export trade and to make further provision in connection therewith." The assumption clearly is that the methods followed in marketing are not satisfactory and that undesirable practices obtain. The Act is, therefore, intended, said Dr. Barton, to provide legislation by means of which these methods and practices can be changed.

The powers which may be called powers which may, or may not be, exercised. Until they have exercised, the provisions of the Act do not become effective as law. These powers are centred in the Governor-in-Council, the Minister administering the Act, a Dominion Marketing Board, and local boards which may be created under the act. All powers that may be granted by Order-in-Council under the Act for the administration of marketing schemes will be vested in the Dominion Board. These powers in turn may be delegated to local boards, and the local board will constitute an administrative body under the general supervision of the Dominion Board. Thus, the local boards, under the supervision of the Dominion Board, will be able to regulate the marketing of those products which are not controlled by the federal government through their own through which they may regulate the movement, direct the sale, without power of buying and selling or of fixed prices, and to determine practices that shall prevail in the marketing of such products. In other words, the local board can control the movement of the product. It may deal directly with only a part of the product or with all of it. The local board may direct shipments in any quantity, through any agency, to any market at any time, or it may withhold them, and this direction may be exercised in different ways or grades of the product. The local board may also regulate distribution and shipping practices, such as methods of sale, consignment, etc. Powers of exemption may be delegated to the local boards, also powers of conducting a pool for the equalization of returns received from the sale of the regulated product; and also powers to compensate any person for loss by withholding, by order of the board, any regulated product from the market, or of such forwarding any regulated product to a specified market, pursuant to any order of the board. Compensation may also be granted for loss due to depreciation of the currency of the country to which shipments were sent by order of the local board. The local board may also be delegated to assist in granting of loans for the construction or operation of facilities for preserving, processing, storing, or conditioning the regulated product, and to assist research work relating to the marketing of such products.

High Class Canadian Honey

In order that the high standard of Canadian honey may not be imperilled, the following sanitary conditions are to be observed and maintained in accordance with the regulations under the Fruit and Honey Act, 1934. All buildings or rooms in which honey is extracted, packed, or stored must be maintained in a clean and sanitary condition. All appliances, including extractors, pumps, scooping machines, and other equipment used in the handling of honey must be kept clean and sanitary. All operations in connection with the preparation and packing of honey must be carried on carefully and in a clean manner. All persons engaged in the preparation, handling, and packing of honey must be free from all communicable disease, and the coverings used by them to protect their clothing or persons must be of material easily cleaned and be kept reasonably clean. No lavatory, sink, cesspool, or buildings in which animals are housed must be so situated or maintained as to permit any odours or fumes therefrom to pervade any room or building in which honey is being extracted, packed, handled or stored. No honey intended to be used for food purposes, or in any apert, packing plant or warehouse, to be in any way unfit for food purposes will be placed under detention and held for disposal as the Minister of Agriculture may direct. All transportation vehicles must be clean and sanitary.

cently burned over. It consists of hardwoods with scattered hemlock and white pine, and seems to be the preparatory stage for either the first or second type. Very few old hardwood stands can be found. Birches and poplars begin the process of reforestation on the bare land, on account of their light seed and their ability to grow on poor soils. Maples come next in succession, and some oaks occur here and there. In moist situations, however, young stands are mostly so dense that no other flora is able to exist beneath them. On south slopes and in dry places, this process of natural reforestation meets many obstacles, the soil being covered with blueberries and weeds, which are strong competitors with forest reproduction.

Honey Damage Defined

As applied to honey, the word "damage," according to the regulations under the Fruit and Honey Act 1934, means injury caused by over-heating, any objectionable flavour or aroma from floral source, honey-dew, taint of smoke, or other flavours or aromas foreign to honey. "Serious damage" means any injury or defect that seriously affects the eating or shipping quality of the honey, such as fermentation, excessive foreign material or other causes. In turn, "foreign material" means visible pollen, wax particles, insects, or other substances foreign to honey. According to the regulations, also, containers for storing and selling this means containers free from rust, stains, leaks, and unsightly distortions caused by rough handling, and free from any danger of imparting any foreign odour or flavour to the honey contained therein.

LIME YOUR LAND THIS FALL

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Late Blight And Rot Disease of Potatoes

(Experimental Farms Note)

It has been demonstrated by experimental work conducted by the Division of Botany, Dominion Experimental Farms Branch, that approximately one-third of the possible potato crop may be lost yearly because of late blight and rot in the field. It has been further demonstrated that fifty to almost one hundred per cent of this loss can be prevented by thorough spraying and that keeping quality of the sprayed potatoes is much improved. This destructive disease appears in almost any potato field during late August or early September and is recognized by the appearance of the water-soaked spots on the leaves. In wet weather a fine gray mildew covers these areas on the under surface of the leaf. In reality this growth is made up of many branches bearing countless numbers of spores, which are, in fact, the seeds or fruiting bodies of the disease. On the tubers it appears as purple to dark brown sunken areas liable to cause a destructive rot in storage.

Late blight may be controlled by spraying with Bordeaux mixture. The spores of course spread generally recommended is composed of five times for the Irish Cobbler and six to eight times for Green Mountains, beginning when the plants are about six or eight inches high. The later applications are very important. The spray mixture generally recommended is composed of 4 pounds of blue stone (copper sulphate), 4 pounds of lime and 40 gallons of water. Lime may be of the hydrated form and should be of the best grade procurable. Stone lime is most satisfactory and should be thoroughly slaked. The most economical method is to prepare a stock solution of the blue stone and the lime in suitable containers. Casks of 40 gallon capacity are a convenient size. In the first cask place about 20 gallons of water, and dissolve in it 80 pounds of blue stone by suspending the chemical overnight to save time in a sack just below the surface of the water. When the chemical is dissolved add sufficient water to make up to 40 gallons. In the second cask place 80 pounds of the best stone lime and slake it by adding water gradually. When the process is complete add sufficient water to make up to 40 gallons. These casks contain 2 pounds of blue stone and 40 gallons respectively, per gallon. The casks should be covered to prevent evaporation and exclude dirt and other substances which may interfere with proper application of the spray mixture. To prepare the mixture for spraying, first determine the capacity of the spray tank. Assuming this to be 80 gallons, pour into the tank 72 gallons of water and add 4 gallons of the thoroughly stirred blue stone solution (8 pounds of blue stone and 40 gallons of water) and 4 gallons of the well stirred milk of lime (8 pounds of lime). The lime solution should be strained through cheesecloth or other suitable material or the strainer provided with the sprayer. The stock solutions of blue stone and lime should never be mixed before further diluting with water. R. R. Hurst, Dominion Laboratory of Plant Pathology, Charlottetown, P. E. I.

FARM NOTES

Invading the Invaders Before it had been generally recognized that the outbreak of European larch sawfly in Southern British Columbia was likely to become serious, the Entomological Branch of the Dominion Department had acted with promptitude in stemming the invasion, and have now followed up their attack by shipping thousands of parasites which will feed on and kill the larch sawfly. The parasites sent to the west were obtained from the Quebec Provincial Park Reserve at Riviere du Loup through the co-operation of the Provincial Forester for Quebec. Originally imported from Great Britain and bred at the parasite laboratory at Belleville, Ont., of the Entomological Branch, the killers of the sawfly were distributed in Quebec where they were feeding on the larch sawfly which has caused so much damage to the woods in the Gaspé Peninsula. Gathered up and reared once more at Belleville, the new brood of parasites has been sent to the east, dispatched to B. C. At the same time, the entomologists working on the B. C. outbreak discovered a parasite there which is a stranger to the East but which they believe may be useful in combating the Gaspé Peninsula raiders. A large supply of the sawfly were distributed to re-inforce the fighters of the Gaspé sawfly. The whole movement bears witness to the single-mindedness and alertness of Canada's entomologists in combating insect pests, and also draws attention to the close co-operation existing, not only between Dominion and Provincial departments but among scientific research workers in general in the Empire.

SOME NATURE NOTES

Has any of my young friends seen a lizard lately? Of course I am joking, because none of them ever saw a lizard in his (or her) life. What we call a lizard is really a salamander, and in 1839 Dr. Philip Cox, a naturalist from the mainland, found three different kinds here. I have seen one species, a harmless little fellow, with a row of yellow spots along his sides, but that was "quite a spell" ago. The others I've never seen.

All Salamanders, like all well-regulated children, pass part of their time in the old swimming hole; they are amphibious in their early stages. The lizards don't like the water; they love to sun themselves on dry sandy banks, and "the hotter the better" seems to be their slogan, so they are tropical creatures. A long time ago, in mediaeval times, people said many hard things about the poor salamanders. One old writer has even accused them of being a salamander to prepare his "winding sheet," and says that the victim needs as many doctors as the creature has spots! Another strange belief was that the salamander was out at night and that he believed it was Aristotle who said the idea away from hearsay; but Piny

The Viking raspberry, originated at the Vueland, Ont. Horticultural Experiment station from a cross between Cutbush and Marbois varieties, has been found highly promising in Michigan according to a report from the U.S. Department of Agriculture.



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NEWSY NOTES

BY AGRICOLA

MORE EPIGRAMS

An American general—I forget who—once said at a banquet in his honor that he liked "taffy" better than epithaphy. So it seems did one Northumbrian, when he left instructions for the stonecutter to carve on his tombstone the lines: "Poems and epitaphs are but stuff; Here lies Robert Barras, that's enough." This terse inscription is to be seen in the churchyard at Bedington. At South Gosforth, about two and a half miles from Newcastle, in the churchyard is the quaint epitaph on one John Ramsay, in two verses: "Ye politicians, stop and pause—A Patriot lieth here. Who lov'd his country and its laws And liberty held dear." To Mathematics he inclin'd; His mind was always gay. A husband good and parent kind Was honest John Ramsay.

John died in 1782, before the term politician had attained its present questionable significance. While admitting that, at times, some very crude stuff found its way onto the "churchyard stone," there is no question that modern taste, which prohibits all originality, has greatly lessened the interest of the epitaph hunter.

Halfwhistle, on the South Tyne, was the burial place of the Ridley family, one of whom Nicholas, Bishop of London, was burnt at the stake for his opinions in 1555. His brother John survived him by several years and was buried at Halfwhistle where his tombstone may still be seen propped against the south wall of the ancient church. The stone is six feet high and bears beneath two acanthus leaves a curious rhymed inscription in the uncouth spelling of the age: John Redie that sum tm did be The lard of the Walton gon is he Out of the val of mesre

His bones lie under thes ston; All friends may be glad to haer When hes soul from paen did goe Out of this world as doeth apper In the year of our Lord A. 1562.

That was the oldest tombstone that I came across in my rambles in the country, and the hardest to decipher. The second line means that he was laid of Walltown where he had a castle tower. There are a good many noteworthy epitaphs in Northumbria worth by time (and space) forbids their mention. I will therefore conclude with one from Chillingham Church, which gives practical advice: "My friends, go home, And cease from tears, I must lie here Till Christ appears."

THE GYROTILLER

About a quarter of a century ago I had a chat with an Islander (long deceased) who told me that his father, who was a Devonshire man, used a "gyrotiller" (subsoiler) to break up the hard pan underlying his fields. As far as I could gather, this was a kind of plough, which was run along in the furrows of a ploughed field, and cut into the "hard pan" underneath, breaking it up, but not bringing the subsoil to the surface. My informant lamented because the younger generation did not like to work as thoroughly as their fore-fathers did. However that might have been or may be, the operation meant better drainage of the soil, more moisture capacity, freer aeration, and, for some crops deeper rootage.

The breaking up of the hard pan has been looked upon as a desideratum in Britain for many years. The problem has been solved, says a writer in the Yorkshire Post, by the invention of the "gyrotiller." For at last ingenious minds have succeeded in producing something better than the plough, and have made a rotary implement combining "three or four normal acts of cultivation in one."

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THE 11th ANNUAL SERIES OF ILLUSTRATION STATION FIELD DAYS

- MONTAGUE.—Farm of Fred MacIntyre, MONDAY, AUGUST 6. WOOD ISLANDS.—Farm of Alexander Matheson, TUESDAY, AUGUST 7. WEST DEVON.—Farm of Cephas Grigg, WEDNESDAY, AUGUST 8. GLENWOOD.—Farm of Alfred Gorrell, THURSDAY, AUGUST 9. PALMER ROAD.—Farm of Sylvain Peters, FRIDAY, AUGUST 10. IONA.—Farm of James E. Daly, SATURDAY, AUGUST 11. ROSE VALLEY.—Farm of Malcolm MacKenzie, MONDAY, AUGUST 13. DESABLE.—Farm of Hector McKay, TUESDAY, AUGUST 14. NEW LONDON.—Farm of Wm. E. Johnstone, WEDNESDAY, AUGUST 15. RICHMOND.—Farm of Thomas Noonan, THURSDAY, AUGUST 16. RED POINT.—Farm of Nelson R. Stewart, FRIDAY, AUGUST 17. ST. PETERS.—Farm of Clifford McEwen, MONDAY, AUGUST 20. ALL FIELD DAYS BEGIN AT 2 P. M. Interesting Field and Livestock Demonstrations at each Station. R. C. PARENT, Supervisor.