### The Control Of Mosquitoes In Canada Commented On

Steps Should Be Taken Now To Secure the Proper Results.

By Press and Publicity Division, Department of Agriculture, Ottawa, Ontario.

Now is the time to complete bat the mosquito pest. Myriads of tiny eggs of these voracious of tiny eggs of these voracious insects are lying in low places in tures For Pasture the fields and woodlands where they were deposited by the female months. When the spring sun- Careful Study Carried On By be termed Public Eenemy No. 1. shine melts the snow, pools will form, and these eggs will hatch, giving rise to the small mosquito larvae or "wrigglers" which later transform into the pupae from which the winged adults emerge, and seek out man and animals to suck their blood. When that happens it is too late to do much

water. To kill them then is a pasture management. This does in the establishment of the hucomparatively simple matter and is based on the fact that mosquito tures may not be more quickly it is known to be more quickly in the control of the c larvae and pupae breath air established by the use of special surface. A thin film of oil spread ively destroys them. Petroleum time.

while, but results from it may be checks.

#### DAIRYING FIRST

Dairying was the last important per cent. branch of agriculture in the Two plots that were left un-

#### EGG DEMAND

A pleasing feature of the Canadian egg market last year was the active retail demand. Reports

45 per cent., brown top 1/2 per cent., included 217 horses; 2,679 cattle; 364 sheep; 526 swine; 2,777 foxes; 571 dogs; 161 poultry, and 4 goats —total 7,299. from a large number of centres Ground cover 841/2 per cent. some years past.

made in the Maritimes.

### Z'AGRICULTURE Z

### NOW IS THE OPPORTUNE TIME TO Proper Growing of TAKE STEPS AGAINST HOUSE FLY Roses Depends on

# Now is the time to complete plans and arrangements to com-

Farm Officials.

By C. F. BAILEY, Dominion Experimental Station, Fredericton, N. B.

problems at the Dominion Ex-filth; infects itself with filth: perimental Farm, Fredericton, has carries germs of filth and disease shown that the use of an ordinary on its legs and body and in its inabout it except to swat and curse.

The time to attack mosquitoes ed into good permanent pasture pollutes food, especially milk, one Plants from the above is before they emerge from the by proper fertilization and good of the principal nutritional items

kerosene or crude oil, providing they spread satisfactorily on the water, are effective. Portable compressed air sprayers may be pastures are properly managed. compressed air sprayers may be pastures are properly managed, able method of controlling the Morden Experimental Station a for fuel used in maintaining the used to apply the oil, or even pasture plots made for the Fred- house fly undoubtedly consists in large tub of water placed in a required temperature. The kind the latter are rather wasteful. ericton Station by the Division of line places to a minimum by the division of The treatment should be given in Botany, Ottawa, show that the ling places to a minimum by propplants in bulk and a pail is used of the building are the main facmore desirable plants are gradu- erly treating or disposing of such Even more important than spraying, which is purely a temporary measure, is the matter of ture area, White Dutch clover caying and fermenting matter as the roots of rose plants should a grade of fuel for brooding purbreeding places. This may be 1928 is now in first position and tightly covered and release to their greatest extent, used, uneven temperatures usually done by draining and filling low makes up 30-35 per cent. of the splead to their greatest extent, discussion and a little deeper than seems result in heavy losses of young places, cleaning out ditches, removing brush from waste land first position, is now in second. Or buried at once or without undue delay. If it cannot be disdue delay. If it cannot be dissulated the ceiling tightly boardsubject to flooding, and similar Moss which was in fourth position due delay. If it cannot be displant in its proper position by sulated, the ceiling tightly board-Mosquitoes, like warbles and found by search. There are some be left exposed but sprinkled with filling in the hole, allowing the heat and the building well banked bots of cattle and horses, are undesirable plants such as tall powdered borax or chloride of soil to flow beneath and among to prevent floor drafts. Banking dealt with most successfully on buttercups and fall dandelions lime. Windows and doors of the roots until the plant rests at of walls is particularly necessary an organized community basis. Which occupy practically the reason for this is that the position as they did five the reason for this is that the very age, but today can apply be screened and all flies that rein. breeding places of mosquitoes are usually scattered over a wide be screened and all flies that gain found on pasture plots that have

ties in various parts of Canada summer fallowed was divided into against the mosquito nuisance different single species of grasses and have secured excellent results and clovers and five mixtures of at very low cost. It is no longer grasses and clovers in duplicate. necessary to tolerate these annoying pests: community action seeded to serve as checks. This the most important branch of year. This plot now has an ex-covering. agriculture in the United States, cellent stand of plants composed notwithstanding the fact that as follows: 50 per cent. volunteer desirable grasses and clovers if domestic consumption, the ex-teer brown top, remainder other and management are adopted. ports of dairy products being volunteer grasses and clovers and comparatively insignificant. some weeds. Ground cover 89

indicated that retail sales of eggs space will not permit of a comwere more active during the sum-plete summary of this very intermer and spring of 1935 than for esting experiment but it should be Creamery butter, farm-made evident to the reader that either cheese, factory cheese and misnewly seeded or old pastures for cellaneous dairy products in Can-Help yourself by buying goods the most part will gradually be ada in 1935 all registered some in-

Public Enemy No. 1.

By Press and Publicity Division, Department of Agriculture, Ottawa, Ontario.

With the advent of spring comes the menace of the house fly — which may be correctly disease as typhoid fever, tubercu-A careful study of pasture epidemics. The fly breeds in

oils are used for this purpose; a light fuel oil is probably most light fuel oils such as suitable but other oils such as the suitable but of the suitable but

sleeping babies, or babies lying away from the plant centre. unattended in their cots or car-

An effective poison bait, but one solves the problem. Information experiment has been treated with which cannot be used where chiland direction as to how to con-duct community campaigns may with cattle each year. Three about, is made by exposing in be obtained by writing to the Do- years' observations of this area saucers a mixture of one teaminion Entomologist, Dominion show that a gradual change has spoonful of formalin in a cupful Department of Agriculture, Ot- taken place on all plots. There of sweetened milk or water. Fly is every likelihood that the ma-sprays, of course, operate best in jority of these plots will have closed spaces, and the dead or much the same stand of plants in paralyzed flies should be swept up a few years. Crested wheat sown and burned, or thrown into very The dairy industry has become alone was winter killed the first hot water to prevent any from re-

production is almost entirely for white clover, 15 per cent. volun- proper methods of fertilization

#### PEDIGREE CERTIFICATES

United States to suffer from the seeded had a fair stand of plants stock Records, approved by the the first year and the herbage at Dominion Minister of Agriculture. present is as follows: White clover during the month of March, 1936.
45 per cent., brown top 7½ per included 217 horses; 2,679 cattle;

made to produce an abundance of crease in production.

# This Insect Is Now Classed as Care in Planting

Most Catalogues Carry Instructions For Amateurs.

By WILLIAM GODFREY, Dominion Experimental Station, Morden, Manitoba.

The successful establishment of It is world-wide in distribution a rose plant in a new position deand is notorious for the part it pends to a large extent on the plays in spreading such serious observance of a few important details of planting. Most rose catalosis, cholera, dysentery, infantile logues carry instructions for the diarrhoea, and other dangerous guidance of customers, but this advice is not generally available to those who purchase their plants from the department stores of our larger cities. Observation

Plants from the above source, or those obtained from a distant nursery, are immensely benefitted by being immersed in deep water It is known that a single fly can as soon as received. From 12 to through tube-shaped organs pasture strains of grasses and carry as many as 500,000,000 24 hours is enough. If the ground which they apply to the water legumes, but these are more ex- germs on and inside its body, but, is then unfit for planting, they pensive and the seed is not so until there is active co-operation should be placed in shallow The Kind of Fuel and Type of on the water, quickly and effect- readily available at the present on the part of entire communities, trenches and completely covered including the municipal authori- with damp soil, making it firm

> During planting and at all times the roots must be protected from prolonged periods of exthey are needed.

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bottle	.50c
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## DRUG STORES

### of some of these plants badly set Cost Of Fuel For Brooding Chicks Is Commented On

Building Chief Factors.

By R. M. HOPPER, Dominion Experimental Farm, Brandon, Manitoba.

The main item of cost in posure to sun and air. At the brooding early hatched chicks is to carry a few at a time to where tors influencing this cost. It is not economical to use a poorly The hole for the reception of constructed building or too low which was in third position in kitchen refuge and garbage. Gar- be wide enough to allow them to poses. When such equipment is herbage. Brown top which was in sible all refuse should be burned necessary. This extra depth en-chicks. The brooder house should five years ago is now only to be pensed with, refuse should never shaking it during the process of ed to avoid unnecessary loss of

area. Individual effort is worthwhile but results from it may be checks.

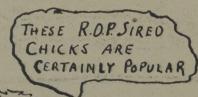
Tould on pasture plots that have done by the use of fly swatters, by branches radiate, should be two per ton, the average daily fuel tanglefoot strips, or by using fly inches below the surface. The cost at the Experimental Farm. while, but results from it may be offset to some extent by the migration of mosquitoes from untreated places elsewhere in the vicinity. A number of community of the provided in the seasons of the fredericton station begun in 1932 will be of interest in this should also be covered. On no account should flies be permitted. The sufficient strips, of by dsing it inches below the surface. The cost at the Experimental Farm, spray. Milk and other food should be screened in the summer by covering it with muslin and fruit should also be covered. On no account should flies be permitted. account should flies be permitted The cut being made one-half inch tures reached four below zero and have taken organized action plots and seeded down with five in a sick room, and the faces of above a bud pointing outwards or 20 below zero respectively during the two brooding seasons.

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