

Head of Research Lab to Speak To Rhubarb Growers at Brampton

Dr. W. B. Mountain, director of the Dominion Research Laboratories at St. Catharines and Vineland Station, along with Dr. J. L. Townsend, Nematologist with the Canada Department of

Winter Protection For Garden Shrubs

Now that the bleak days of November have arrived, the gardener should be thinking of providing plants with winter protection. What is done now will often decide whether or not there will be a good display of roses, tender shrubs, foundation evergreens or bulbs next year.

According to Dr. J. Wilner, a member of the Plant Research Institute who specializes in frost hardiness, injury to woody plants in the winter time is caused mainly by quick freezing and quick thawing. Efforts, then, should be directed towards preventing these sudden changes. A good aid is a mulch of soil, straw or leaves applied after the ground is frozen.

This mulch helps to keep the earth from thawing. Vigorous plants that retain their leaves throughout the summer and mature gradually but early in fall will survive a severe winter with little injury.

If plants have suffered greatly from disease in the summer they will invariably be prone to severe winter injury more than those located on fairly porous soil.

Other perils threaten plants in winter time. High, driving winds and strong sunshine in January often spell disaster to cedars and junipers. "Burning" of cedar foliage may be caused by a sudden drop in temperature. This burnt appearance may also mean that leaves have died because the plant was not well enough watered before the arrival of winter.

Damage by high winds, sunshine or a drop in temperature, however, can be eliminated by a burlap cover.

Evergreens growing near a highway may be damaged by salt blown or splashed onto them.

Heavy snow is another cause of casualties, especially broken branches of evergreens. Hedges trimmed to a somewhat narrow top present a form more capable

The subject for his discussion will be the Sugar Beet Nematode in Rhubarb and its effect on other vegetable crops. This nematode was discovered this summer in a number of plantings in the area. The growers not having enough problems in the production of their crops, have another pest to contend with.

What are Nematodes?
Growers are well aware of the harm which weeds, diseases and insects cause their crops of fruits and vegetables. They recognize their adversaries and take steps to control them. Few growers, however, are aware of the damage which an unseen pest, the nematode, is doing. But nematodes are present in every pound of soil which has not been sterilized.

These pests, which are so small that they cannot be seen with the naked eye, generally attack the roots of plants. Some of them burrow into the root tissues — the root knot and root lesion nematodes, while others feed off the root surface — the pin nematode. Whatever their habits, it all results in injured, deformed roots which are unable to make the most of moisture and fertility. Injured roots also provide an entry for disease.

You have probably seen the results of nematode attack and not known what it was. Roots are galled, knotted or "whiskered", or have brown, discolored areas. The plants often look wilted, the leaves discolored. The whole plant is usually dwarfed, and the yield suffers from early maturity.

In Ontario, there is hardly a crop which is not known to be attacked by nematodes. Carrots are badly affected by the root knot nematode, which causes serious malformation. Root lesion nematodes cause poor development of tomato roots, resulting in heavier fertilizer requirements and early maturity. Root knot and pin nematodes attack celery, and the onion blot nematode attacks the onion crop.

In our fruit crops, nematodes are known to play an important part in the replanting of peaches and cherries. Strawberries are host to both root-lesion and root-knot nematodes which cut down yield and longevity of the crop. Root development of vine crops such as melons is hindered by nematode attack. All in all, few crops are unaffected and in many cases, the direct results of the nematode are hidden by the diseases which follow them into the plant.

The growers will be afforded the opportunity to discuss this problem, and what control measures can be taken.

Also under discussion will be general business of the Ontario Fresh Winter Rhubarb Growers Association.

Champion Guernsey Sold To Norval Buyer Nov. 10

Mrs. H. D. MacPherson of Norval, purchased the Champion Guernsey cow, "Dell Eden Fond Token", for \$3500, at the 15th Annual Halton-Peel Invitational Sale, held at Hays Sales Arena, Oakville, on Tuesday, November 10.

This cow from the herd of Murray Davie, Ladner, British Columbia, was Grand Champion at the 1963 Royal Winter Fair, and placed first this year at the Pacific National Exhibition. She is currently being shown at this year's Royal.

The 20 head from across Ontario, British Columbia, Ohio, and Washington, sold for an average price of \$975.

Growers to Hear Deputy Minister

Everett M. Biggs, Deputy Minister of Agriculture, is to speak to the Burlington and District Fruit and Vegetable Growers, on Wednesday, November 18.

Charles Brown, president of the Burlington District Fruit and Vegetable Growers' Association, suggests that you get your tickets early, to avoid disappointment. The annual banquet and Ladies' Night will be held again in Appleby United Church Auditorium, 4407 Spence Ave., Burlington. Dinner commences at 6:30 p.m.

4-H's Win At Winter Fair

Elizabeth Norrington, Milton, R.R. 6, exhibited the winning barley in the 4-H class at the Royal Winter Fair. Verna Thompson, Milton, R.R. 2, placed second; with Bob Peddie, Milton, R.R. 5, in fourth place. These three exhibits of Herta Barley represented the Halton 4-H Club in this competition.

In the 4-H Corn section, Bill Alexander, Norval, R.R. 1, placed fourth.

Superior Sire

The Jersey bull, Lindale Bijou Flash, Excellent, has just been designated a Superior Sire by the Canadian Jersey Cattle Club, on the high production of his tested daughters. His first 10 daughters to complete records have an average production, m.e., of 8,747 lbs. milk, 5.8%, 506 lbs. fat, and 27 daughters classified that average 86.43%. Lindale Bijou Flash was bred by Maurice C. Beaty of Milton, and is owned jointly with R. Stenger & Son, of Enniskillen, Ontario.

HIGHER RATE

Seven per cent of all drivers in Canada are under 20 years of age but they are involved in 14.6 of all car accidents. They drive fewer miles but their accident rate is almost twice that of other drivers, which explains why the insurance rates for males under 25 for collision and liabilities are two or three times as high as for other drivers. Many of these young drivers have learned by hit or miss lessons from other young fellows instead of taking a course with a qualified instructor.

HARLEY...to HALTON

The Minister of Veterans Affairs has announced the changes in the Pensions and War Veterans Allowances which have been expected. I think it quite fitting that such announcements be made when we are observing Remembrance Day—a day dedicated to the memory of those Canadians who died in the defence of our democracy and our Canadian way of life. These changes in the Pension Act and the War Veterans Allowance will be brought before the House of Commons as soon as is possible in our schedule. However, the Minister has promised that such changes will be retroactive to September 1st, 1964. The changes are an across-the-board increase of disability pensions payable under the Pensions Act of approximately 10 per cent, and a similar increase in pensions to widows and dependent children. The attendance allowance for the care of disabled will be increased from \$1800 a year to \$3000 a year. The wear and tear Clothing Allowance (for pensioners who because of their disability wear their clothing out faster than normal) will be increased.

The Canada Pension Plan has been introduced in the House of Commons. It was brought forward by a resolution which, under the new rules, may be debated one day only. It was passed and will now be available to Members of Parliament for detailed study before second reading. This is liable to be debated for up to one week before it receives the second reading necessary so that it may be referred to a special committee of the House of Commons for detailed study. It is expected that many insurance companies and other interested parties will wish to appear before this committee to give their opinion on the Canada Pension Plan.

The Redistribution Bill has again been introduced, now needing only a few items to be passed. These, however, are the most controversial. Several new proposals have been made concerning the composition of the Boundaries Commission and these are now being studied by the Opposition before further discussion. The Bill will again be discussed later this week.

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Snow is Best

Mulch Protects Strawberries Department Gives Directions

Snow is an excellent mulch for strawberries. Unfortunately many areas in Ontario do not have continuous snow cover during the winter months to prevent injury to plants.

Horticulturists with the Ontario Department of Agriculture recommend fall mulching to prevent low temperature injury to crowns and roots, and drying out of the plants due to cold winds. Mulches also reduce heaving of the plants and root breakage due to alternate freezing and thawing of the soil in spring.

The mulch material should be free of weed seeds, coarse enough that it does not pack down and cause smothering, but heavy enough to prevent it being blown away. Wheat and rye straw, marsh hay, and wood shavings are suitable materials. The mulching material should not be frozen, and should be dry in order to spread easily.

The plants should be covered before they are exposed to temperatures below 20 degrees F., but not before they have been exposed to several sharp frosty nights and are well hardened off. The mulch is usually applied sometime between mid-November and early December; and make sure it is 2-3 inches thick when settled.

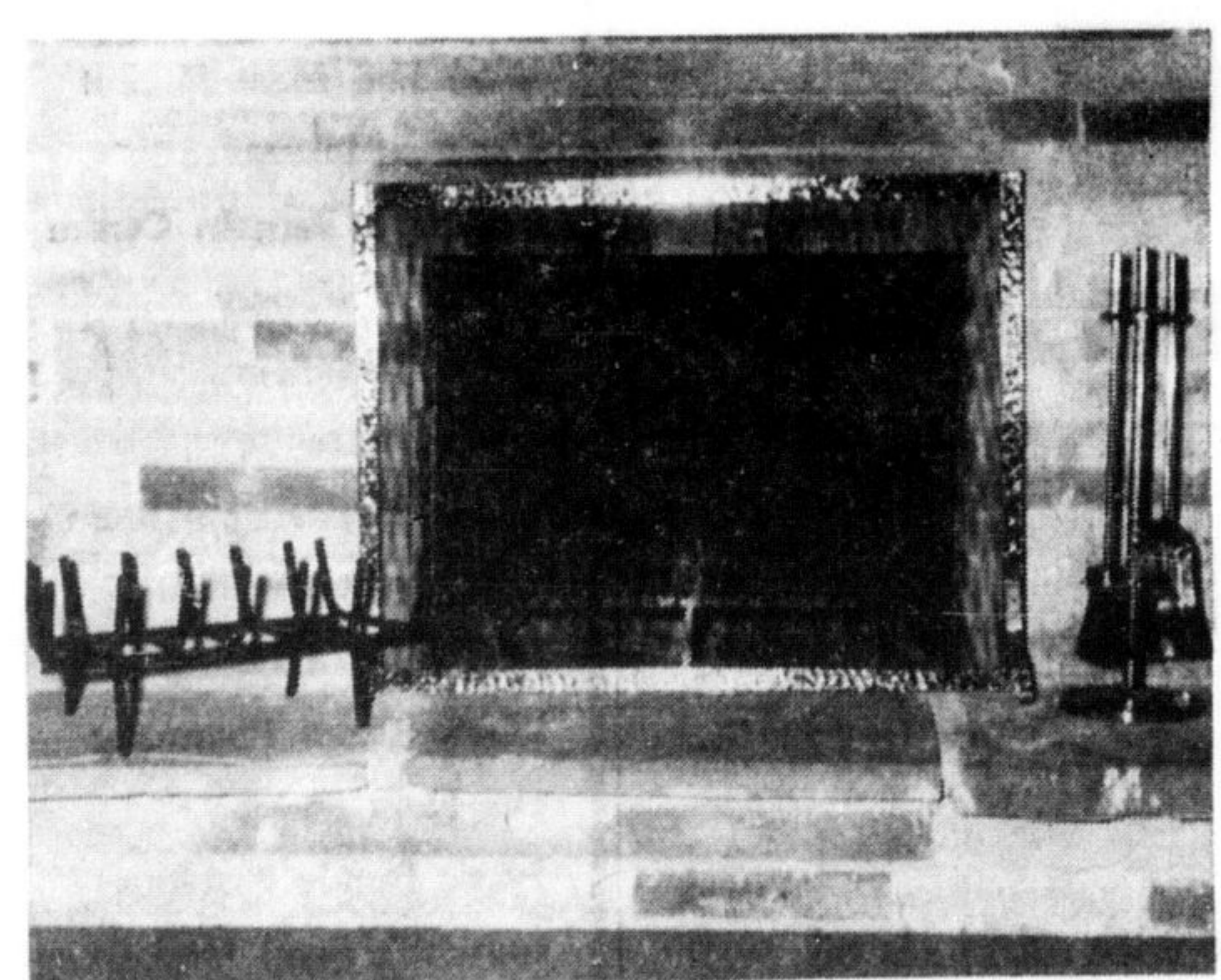
The protective mulch cover should not be removed in the spring until after the danger of severe frost has past. A delay in

Silver Medal

The Jersey bull, Lindale Beacon Echo, Excellent, has just been designated a Silver Medal, a Superior and Senior Superior Sire, by the Canadian Jersey Cattle Club, on the high production record of his daughters. His first 10 daughters to complete official records have an average m.e. production of 11,147 lbs. milk, 5.56 lbs. fat, 4.99%, and 15 classified average 86.35%. Three of the 10 tested cows have Silver Medal records. This bull was bred and tested in the herd of Maurice C. Beaty, Milton.

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