

OUR FARM PAGE: ITEMS OF INTEREST TO EVERY FARMER

SPRAY POTATO PLANTS WITH BORDEAUX

Keep Foliage Covered from Three Weeks Six Inches High, Advises J. T. Cassin of Ontario Department of Agriculture.

Late blight has been the cause of heavy losses to many potato growers in Ontario during the past two or three seasons, says J. T. Cassin, potato authority of the Ontario Department of Agriculture. Fields were attacked during August and September and in a few days the leaves turned dark brown in color. The crop, which was not matured, ceased growing and in many cases tuber rot developed. Proper applications of bordeaux in spray or dust form at the right time (before fungi develop) will give protection.

During periods of frequent rainfalls and heavy fogs late blight fungi develop on the green leaves. Weather conditions and plant development determine when bordeaux should be applied. Dust applications should be given late in the evening or early in the morning when dew is on the plants.

To have protection from late blight, applications of bordeaux should be made before rainfalls rather than after. It is during the period of excessive moisture that late blight commences.

From the time the plants are six or eight inches high during new leaf development the plants should be kept covered with bordeaux. This may require four to six applications, and gives protection to the plants and permits natural maturity which increases the yields and improves the quality with profits.

The Bordeaux Mixture Formula is as follows: Blue stone (dissolved) 4 lbs.; hydrated lime (spraying) dissolved, 6 lbs.; water, 40 lbs. If an insecticide is required, add calcium arsenate or arsenate of lead, 2 1/2 lbs. Liquid applications give satisfactory results should be applied with power sprayers, developing 250 lbs. to 300 lbs. pressure, applying 80 gals. to 100 gals. per acre.

The Bordeaux dust formula is as follows: Copper dust (dehydrated, ground very fine) 15 lbs.; hydrated lime (ground fine) 85 lbs.

If insecticide is desired, add 15 to 20 lbs. calcium arsenate or arsenate of lead and reduce the amount of hydrated lime accordingly. Twenty lbs. to thirty-five lbs. of dust per acre according to the size of the plants are required to give protection, Mr. Cassin states.

"My, you look very happy." "Well I recently netted a cool ten thousand on dust." "Dust?" "Yes—dust you take this man to be your wedded husband!"

Homesick for the Country

I want to get out in the country again,
Where there's cornfields and fences an' trees.
And I want to go down to the medder an' wade
In the clover clean up to my knees.

I've said it before, an' I'll say it agin,
And I'll stick to it right up and down
There ain't any sense in yer tryin' to trans-
plant
An old hayseed like me into town.

There's something keeps callin' and tuggin'
my heart,
An' my eyes git so dim I can't see;
There's a lump in my throat—I am jest an
old fool,
But by jing, it's the country for me.

I'm sartin when Emily brought me to town,
She didn't mean one bit of harm,
But I'm homesick fer neighbours, an' critters,
an' crops,
An' I'm going straight back to the farm.

Cauliflower and Cabbage Worm Control

The insect known as the imported cabbage worm is a velvety green caterpillar commonly found feeding on cabbages and cauliflowers. It eats large circular holes in the leaves and frequently bores into the centre of cabbage heads. Control measures should be applied as soon as injury to the plants becomes evident.

Dusting with arsenate of lead and hydrated lime is the most widely recommended remedy, says Alan G. Duffan, Division of Entomology, Science Service, Dominion Department of Agriculture. One part of the poison should be mixed with eight parts of hydrated lime and dusted on the plants in the early morning or late in the evening when the leaves are wet with dew. Particular care should be paid to the central portion of the cabbages and cauliflowers because feeding is usually most prevalent there. Two or three applications should be made as required, care being taken to apply the dust immedi-

ately feeding becomes evident. Owing to the waxy condition of the leaves, spraying has not given satisfactory results.

If the plants have to be treated shortly before being marketed, dust with fresh pyrethrum powder, one part to three parts of hydrated lime or flour. Pyrethrum is non-poisonous to human beings. It can be bought at local seed houses, drug stores or wholesale drug companies. Fortunately, the remedies recommended for cabbage worms also control the cabbage looper and diamond-back moth, which are destructive to cabbages and cauliflower.

HE KNEW

Auto Salesman—Jones tried to make me believe that he's driven his car for five years and never had to pay a cent for repairs. Cpu, you believe that?

Garage Man—I'll say I do. I make the repairs.

CANADIAN AGRICULTURE NEEDS SCIENTIFIC AID

Canadian agriculture has many difficult problems to deal with in the next few years, said Dr. J. M. Swaine, Director, Science Service, Dominion Department of Agriculture, in a recent address. It needs leadership and guidance, and for this it must depend in large part upon scientific-technical agriculture. There is an opportunity now for technical agriculture to give leadership in:

A more complete provision for producing and marketing agricultural products to meet the requirements of Canadian consumers; the production of agricultural products for Great Britain and allies in so far as their needs can be foreseen; the maintenance of a production level from which a required increase could be made to supply the needs of Britain and the allies; the maintenance of the productive capacity of Canadian soils; the maintenance of a proper agricultural stability, without unnecessary surpluses or shortages, that will enable the proper adjustments to be made to meet post war conditions.

Government to Co-operate in Securing Labor for Farms

Farmers throughout the province are to have the co-operation of the Ontario Government in securing inexperienced but able-bodied young men for two or three months for haying, harvesting and general farm work.

In making this announcement, N. O. Hipel, Minister of Labour, intimated that the Ontario Department of Labour, had made arrangements to register all workers who would be willing to help harvest the crops which are vital to Canada's war effort.

Mr. Hipel pointed out that there was a scarcity of experienced farm help and asked all farmers who required extra workers to co-operate with the government by using the men available. It was suggested that farmers would have to exercise patience and realize that these men could not be expected to attain complete efficiency at first.

Farmers who desire extra men should apply to the nearest Ontario Employment Office or write direct to A. MacLaren, Director of Farm Training, Department of Labour, Parliament Buildings, Toronto.

Already, the Minister of Labour stated, many willing workers had registered for work on farms and were available for immediate employment.

Weed of the Week

BLADDER CAMPION

Bladder Campion, Cow Bell or Bladder Weed is one of Ontario's worst weeds. Adaptable to high land it has become very prevalent in the central and eastern sections of the Province and has proven an extremely difficult weed to eradicate especially from land which is inclined to be stoney.

The seed of Bladder Campion is a common impurity in clover and timothy seed and is impossible to remove with ordinary seed cleaning machinery, hence the importance of preventing it from becoming established. An average plant may produce from 10,000 to 20,000 seeds.

It is a deep rooted, freely branching, persistent perennial weed. The root is very long, thick and much branched. A good sized plant will have a root over three feet long, at the top of which is a crown, bearing buds, shoots and branched flowering stems.

The plant grows from one to two feet high often forming large clumps. The leaves are smooth and in pairs. Flowers are white, nearly an inch across, and borne in loose clusters which are often drooping. The calyx or flower cup is much inflated and bell shaped. It is from this inflated calyx that the plant draws its name.

The main object in eradicating this weed should be to prevent seeding and to get on the land as soon as possible after the crop is removed. Purchase clover and grass seed free from Bladder Campion seed. Watch for scattered plants. Eradicate them with chemicals or dig out the crown, and apply a few handfuls of salt to the portion of the root that remains.

Immediately after the hay or grain crop has been removed plough deep using a sharp share on the plow to cut off the roots, follow with the stiff

toothed cultivator with wide shares which overlap, cultivating both ways at intervals of one to two weeks. This thorough cultivation may be continued until time to sow fall wheat or rye or until late fall and again the following spring, followed by a hoed crop, a another crop, an annual hay or pasture crop, a grain crop, fall wheat or rye. In badly infested areas it might be necessary to continue this thorough cultivation for a second year before the area is seeded down. This plan should eradicate Bladder Campion from cultivated areas. Livestock relish this weed and pasturing will prevent seeding until one is prepared to break and cultivate the infested area.

The use of chemicals is recommended for areas where cultivation is impossible, including roadsides, railroads, fence lines, gravel pits, etc.

The SNAPSHOT GUILD HUMOR IN YOUR PICTURES



He just couldn't quite make it. Humorous shots such as this add spice to your album—plenty of chances for them occur in any home.

HUMOROUS pictures are quite rare—and perhaps that is the very reason they have such lasting appeal. If you want snapshots in your album that will never grow old, then keep your eyes open for picture chances that tickle your funnybone.

There are plenty of such opportunities, particularly around homes that have children—which is not to say, of course, that grown-ups don't have their absurd moments too. And if you stay alert for such moments, with your camera loaded and placed where you can get it readily, you'll likely garner some much-prized shots for your album. Sometimes, it's true, you'll have to re-enact things to get your picture. For example, when you find Johnny has been raiding the cookie jar again, just let him demonstrate how he did it, for the camera—and his guilty look will give you a picture that takes high rank in your collection.

When the youngest member of the family gathers his toys and toddles off to bed, find he can't quite make the grade, and drops off to

sleep half in bed and half out—then you have another picture opportunity well worth seizing. Such a shot, so comic yet so heart-warming, holds more appeal than a handful of routine snaps.

Some situations merit a picture but the circumstances don't recommend taking it immediately. For example, when Daddy goes to hang a picture, but hammers his thumb instead. In such a case, just wait until things cool down a bit—then shoot a picture of him blowing on the injured member, with the hammer and step ladder in the immediate background.

It's fun to think up ideas for humorous pictures. Recall funny things that have happened in the past—then re-enact them for the camera. These shots lend spice to your album—they'll give extra pleasure to you and your friends, especially if you do them realistically. And meanwhile, always keep your camera loaded and handy, ready to picture the funny little events that may occur almost any time around the home.

John van Gulder

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TO FARMERS WHO NEED HELP

Able Bodied Men...Willing to Work on Farms for Two or Three Months... are Available for Haying, Harvesting and General Farm Work

The Government of Ontario is ready and willing to help Farmers who need extra workers. Realizing that farm crops are vital to Canada's war effort, the Ontario Department of Labour has formulated a plan to register workers who will be available to harvest these crops.

In view of the fact that there is a scarcity of farm help we ask for your co-operation. Many willing workers have registered for work with the Ontario Department of Labour and are now ready for immediate employment. Farmers who need extra help should apply to the nearest Ontario Employment Office... or write direct to A. MacLaren, Director Farm Training, Department of Labour, Parliament Buildings, Toronto.

ONTARIO DEPARTMENT OF LABOUR
HON. N. O. HIPEL
Minister of Labour