TRUCK IS EIGHT WHEELS SHORT

The eight-wheel rear assembly of a transport trailer came apart from the remainder of the vehicle when it moved away from the strikebound CNR express yards in downtown Toronto Thursday. The incident was being investigated by railway police. (CP Wirephoto)

FACTS FOR FARMERS

Farm Forage Experiments Are Worth Observation

By DAVID SMITH
Field Crop Specialist
P.E.I. Dept. of Agriculture

The idea of seeding grass and legume seeds without a companion crop such as Barley is not widely practiced. There were, however, about 15 farmers on P.E.I. who tried it this year and a smaller number who tried it in 1965. In this column I want to tell how some of these farmers fared out.

The research officers at the Experimental Station have been seeding in this way for several years. Off the Island this method of seeding has been used, you might say, in eastern Canada and all down through the eastern United States. There are some placed where this method in considered as the ONLY method of establishing forage stands.

There are different ways of applying the seed. In all cases talked about below, a machine called a Brillion seeder was used. This machine consists of two heavy corrugated rollers with a seed box mounted between the rollers. It is a very heavy machine. For instance, a five foot Brillion weighs about 1,000 lbs. This, as you will understand pulverizes the top layer and rolls and packs the soil around the tiny forage seeds.

The other method is with a cyclone seeder. This is a light inexpensive machine which can be thrown over the shoulder and flings the seed, when a handle is turned. It is possible to seed three- four acres per hour in this way. This method, of course is nothing new and was practiced in our grandfathers day but still it is a good method of applying seeds. One disadvantage this has in comparison to the Brillion seeder is that it is more difficult to judge the rate of seeding. Using this older method it is also essential that the seeds be slightly buried and the land should be rolled.

George Nicholson, Crapaud

In 1965 the Brillion seeder was used at Wallace Woods farm in Marshfield, Reg. Mellish's, New Perth, Fenton Mayne's, Emerald and at the farm of George Nicholson, Crapaud. George's field was seeded on June 1st. He applied about 300 lbs. of 6-12-12 per acre. One quarter acre plots were seeded to mixtures of alfalfa, timothy and alfalfa, brome and alfalfa, timothy and trefoil, ladino clover, trefoil and the common timothy, red clover and alsikemix.

No doubt everyone remembers the hot dry season we had last summer. The majority of the seeds didn't germinate until late fall but fortunately they did get going and the small seedlings were lucky to live over wnter. This spring George had a different looking field. About June 5th his strip of Alfalfa was lodging.

Fenton Mayne, Emerald

Fenton Mayne in Emerald has a one-half acre of pure alfalfa which is worth seeing. He used the Brillion around June 5 in 1965. He applied in the vicinity of 600 lbs. of 15-15-15. In the fall of 1965 he had a good stand but due to the late planting and dry season it wasn't quite tall enough to cut. He fertilized again in the fall with a 0-20-20 formula and this spring he cut about. 100 bales from the one-half acre. On Aug. 25th he had enough regrowth for a light cut. He thinks that he had between 4 and tons of high quality alfalfa hay per acre.

Wallace Wood, Marshfield

Similar experiments were done at Wally Wood's farm in Marshfield on June 8, 1965. The same machine was used and the same varieties were seeded but the whole thing was a complete failure. We had the nicest crop of lambs quarters you would find any place. None of the seeds germinated and the weeds took over. Possibly if the land had been sprayed for weeds, and we had a more favour ble season the picture might have been different. These plots were plowed down during the summer, so we don't know what would have happened the following spring.

Reg Mellish, New Perth

Another similar experiment was put down on the farm of Reg. Mellish in New Perth. That is plots of alfalfa, timothy and alfalfa, brome and alfalfa, timothy and trefoil, ladino clover, etc., were used. Again there wasn't much growth during the year, but I blame this on late seeding, a hot, dry summer and not quite enouh fertility 350 pounds of 6-12-12 were applied before seeding and the plots were seeded on June 12th.

This spring the plots looked very good with a few misses in some of them. Reg. is quite satisfied with the section seeded to Birdsfoot Trefoil. There are several other mixtures which look very good and they are worth seeing if you are in the vicinity.

This spring was much more favourable for establishing forages. With a better season combined with what we learned from the year before I am quite confident that this is the best way to establish a good stand of forage.

Due to a shortage of space I will ention only one farm where the Brillion was used with out a companion crop. This was at the farm of Howard and Willard MacPhail, York Point.

MacPhail's— York Point

Here is the way they went about it. A soil test was taken the previous fall. They wanted to seed alfalfa, which meant the correct amount of lime as well as the proper fertilizer rate was very important. The soil test analysis called for about one ton of lime. In order to ensure a good stand 500 lbs. of superphosphate, 400 lbs. of 6-12-12 and 25 lbs. of borax was applied per acre. The alfalfa was seeded into a well drained field which had received about 2000 lbs. of 6-12-12 for potatoes the previous year. The field was seeded on May 4th. This early seeding is necessary as it allows five or six weeks for the young seeds to germinate and get well rooted before the summer heat arrives.

It is not every year that we can seed on May 4, but if a Brillion is used we could seed by at least the second or third week of May.

The field was cut on Aug. 4, and the yield was estim ated around one ton per acre.

There are three things which are essential when seeding without a companion crop. These include high fertility, early seeding and excellent weed control. If a poor job is done on any one of these three things than nine chances out of ten the result will be crop failure.

OTHER DEMONSTRATIONS

Other farmers on which the Brillion Seeder was used this spring are:

Scott Macarthur, Union Road, Queens County
Munro Wheeler, Montague
Wilfred Furness, Vernon Bridge
George Nicholson, Crapaud
Sheldon Myers, Crapaud
Horace Wright, Bedeque
Leaman Caseley, Kensington
Fenton Mayne, Emerald
Roy Dickieson, New Glasgow

In most cases the seed mixture sown was used with a nurse crop of oats, barley or mixed grain.

FALL CARE OF ALFALFA

While on the subject of forage just a word about cutting or grazing alfalfa this time of year. This crop should never be cut between Sept. 1st and the first killing frost. The reason for this is that it is during this time of year that the plants are storing food reserves in order to survive the winter. IIf the plants are cut the amount of food reserves stored in the roots will be much less and poor winter survival will result. It is alright to cut or graze the alfalfa after the first killing frost.

CORN TRIALS

This year many of our local farmers have carried out experments with corn varieties. A list of these farmers follows: George Nicholson, Crapaud; Clair Mayhew, Margate; J.B. MacIsaac, Rock Barra; Norman Gillis, Point Prim; Monty Kelly, Newton; Brent Mutch, Cherry Valley; Sterling MacRae, Greenvale; Horace Wright and Son, Lower Bedeque; Eric Phillips, O'Leary.

CORN TOUR

The farms are distributed over the Island and any one interested in growing corn would learn considerable from talking with these farmers and seeing 5he different varieties. On Sept. 16 there will be a tour of these plans and all interested are invited to attend. This tour is sponsored by the Beef Producers Association, so we expect that many of its members will be interested in this tour.

On Monday, August 29 there was a forage meeting at the farm of Wallace Wood in Marshfield. We had an opportunity to hear Dr. Lloyd MacLeod describe some of his demonstration plots, seedin; methods, weed control, and seeding mixtures used in his different plots. It seems a shame that only nine farmers saw fit to attend.

Experimental Farm Plots

Dr. Lloyd MacLeod, Research Scientist at the Experimental Farm, Charlottetown put out a series of forage plots this past spring on four farms. These are mainly designed for experiments on fertilizer requirements. This year the plots were seeded out on May 15t.. without a nurse crop. Next year the fertility experiments will be started.

Wallace Wood, Marshfield

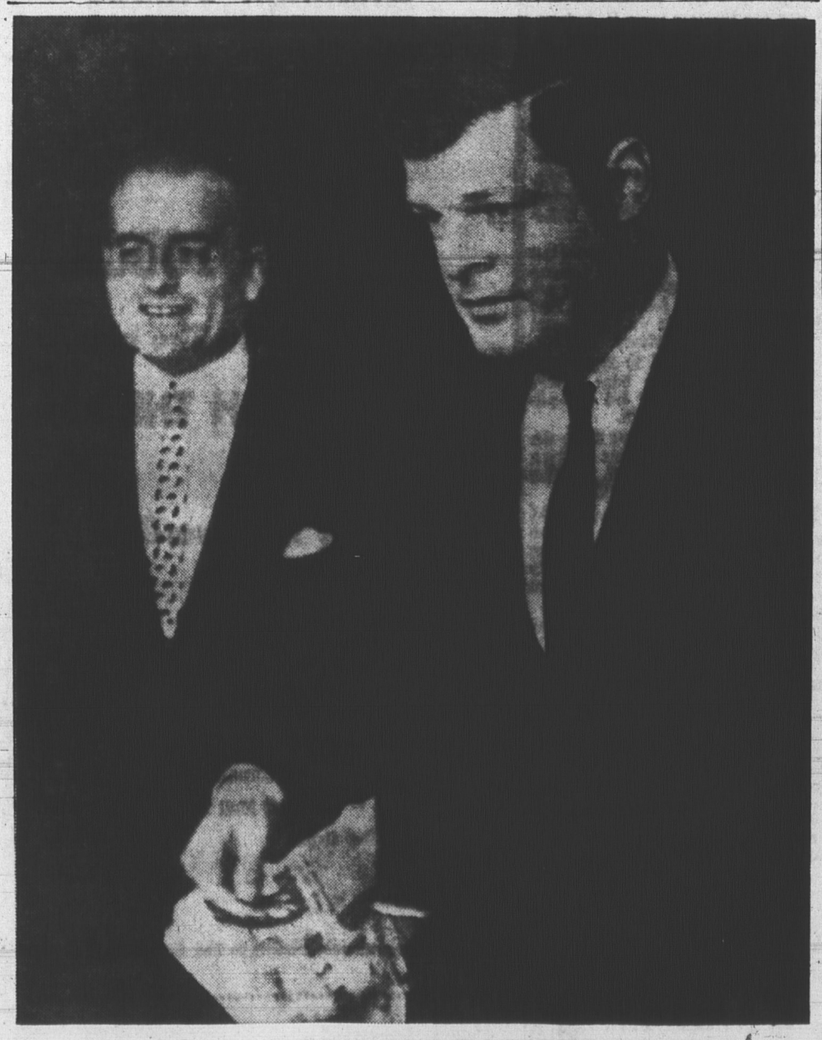
On this farm there are observation plots of Tiger and Climax Timothy, Viking Birdsfoot Trefoil, Wallace Birdsfoot Trefoil, Empire Birdsfoot Trefoil, Saratoga and Redpatch Bromegrass, and Rhizoma, Cayuga, Alfa, Glacier, Narragansett and Vernal Alfalfa. As well, there are barley plots and mixtures of Alfalfa- Timothy, Alfalfa- Brome grass and Birdsfoot Trefoil ans Timothy.

Bruce MacLeod, Grandview

On this farm there are plots of Vernal Alfalfa, Alfa Alfalfa, Glacier Alfalfa, Narraganett Alfalfa both straight and mixed with Bromegrass. Additional plots include Red Cover, Birdsfoot Trefoil, Brome grass, Alfalfa, and mixtures of Trefoil and Timothy, Alfalfa and Timothy, and Alfalfa and Bromegrass.

Other similar plots are on the farms of Frank Gaudet, York, and Cecil Stetson, Marshfield. Fertility used on all these plots in May was 500 pounds per acre. For grass-legume mixtures 6-12-12 was used; for straight grass, 10-1-10; and for legumes 2-18-18 at 500 pounds. The soil pH is in the vicinity of 6.3 6-5.

Any farmers who are interested in improved forage and corn varieties and seeding pracices are encouraged to talk with their neighbors who are trying out some of these new ideas and varieties. We recognize that a lot more people are also trying new methods as well, and only a few could be included here. For further information contact David Smith, P.E.I. Department of Agriculture, Box 2000, Charlottetown.



PC VOTES FOR RAIL BILL

J. Patrick Nowlan, (RIGHT) Conservative member of Parliament for Digby-Annapolis - Kings, broke with his party caucus Wednesday night and told the Commons he was voting for the Liberal government's strike-ending legislation. Mr. Nowlan, shown entering the House for Thursday's session, is the son of former Conservative finance minister George Nowlan. (CP Wirephoto)

Saint John Fire Set, Chief Says

SAINT JOHN, N.B. (CP) — Fire Chief Millard F. Clifford of Saint John says a three-alarm fire which heavily damaged two tenement buildings and threatened an entire block in this city's east end Thursday was definitely caused by arson. Mr. Clifford said a major fire which broke out in a shed at 721 Brunswick Drive and spread to an adjoining building, and a minor outbreak which damaged a garage at 729 Brunswick Drive "were both definitely set."

There were no injuries in the fires which left 17 persons homeless. They were the latest in a seris of blazes in slum areas of the city, most of which have started in or near sheds and under suspecious conditions.

Chief Clifford said he will order a full scale investigation into Thursday's fires.

TOUCHY

Continued from Page 1

the record." The people of Newfoundland would judge who was telling the truth.

He quoted Mr. Smallwood as telling the legislature in April, 1964, that the premier had discussed with Mr. Lesage an exchange of Labrador and Quebec territory.

"Where there is smoke there is fire, and the fact that former premier Lesage's statement . . . produced such a violent reaction from Premier Smallwood suggests that he struck an extremely tender spot."

The Conservative leader said he is convinced the boundary will never be moved but Mr. Smallwood had "lashed out thoughtlessly and without regard for the record."

Quebec has never accepted the Labrador boundary as defined by a London Privy Council decision in 1927. Mr. Lesage said it was impossible for Quebec to sign an agreement to buy power from Labrador's Churchill Falls until the boundary question is settled.

He said the negotiations were "not satisfactory."

Mr. Smallwood reacted with characteristic bluntness. In press statements and province-wide radio broadcasts he termed Mr. Lesage an "unmitigated liar" if reports quoting the Quebec leader were correct. He also spoke of "his crazy demands or proposals" in connection with Churchill Falls.

HELD TALKS

The Newfoundland premier acknowledged that Mr. Pigeon came to St. John's and talked with Mr. Curtis and his deputy, Cyril Greene. But he said it had nothing to do with the boundary.

The purpose of these negotiations was to get an agreement that Mr. Lesage proposed to the Newfoundland government about other matters." Mr. Smallwood did not disclose what these other matters were. He gave the impression they dealt with the proposed sale of Churchill Falls power by the British Newfoundland Corp. to Hydro Quebec, a Quebec government agency.

"Mr. Pigeon and Mr. Greene did ultimately agree on how the document should be worded but the document itself was never accepted by either of the two governments. The document has nothing to do whatsoever with changing the boundary."

He said the Newfoundland government has no objection to making the document public. "It would expose Mr. Lesage for the liar that he is."

"We have worked very hard to get the Churchill power developed and we will not slacken our effort to do so. But that water will run through all eternity without being developed rather than change one single inch of the boundary."

SUBMIT 1,200 SONGS

MONTREAL (CP) Final date for the theme song contest for the 1967 Montreal world's fair arrived Thursday with more than 1,200 entries received. A five-man jury will begin Sept 15 to judge the entries from Canada, the United States, Japan, Cuba, France, Holland, Britain, Belgium and Barbados.

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