

results if properly used. I have handled and planted trees which appeared to have been injured by fumigation. I have observed plum trees of bearing size in the orchard which were infested and fumigated during the fall, leafing out a week or ten days later than similar trees standing in the same orchard which were not so treated; but there was no permanent injury. All trees resist treatment better in the spring than in the fall. I think, however, that in nursery stock fumigation much of the injury attributed to the gas belongs to unnecessary

delay in getting the roots under cover. No pains are taken to hasten the work, and the tender rootlets are left exposed to the sun and wind until there is little chance for recovery. As the San Jose Scale is frequently found on the base of the trunk and larger roots, it would not be practicable to destroy it by immersion without putting the whole tree, roots and top, into the lime and sulphur mixture. This would be more trying to the fibrous roots than exposure to gas."

Cooperative Experiments in Vegetables

THE following is a portion of the report of the committee appointed by the Ont. Veg. Grs. Assn., at the request of the Ont. Agric'l and Exp'l Union, to attend the meeting of the union held last Dec. in Guelph. This report will be presented to the bd. of directors of the O.V.G.A. It is published to give members of the assn. an opportunity to consider the suggestions made. The report, in part, is as follows:

"At a meeting of the Ont. Veg. Grs. Assn., held in Toronto previous to the convention in Nov., a communication was read from Geo. A. Robertson, pres. of the Ont. Agri'l and Exp'l Union, asking that some of our members attend the annual meeting at Guelph with a view to possible cooperation. At the convention, the directors appointed a committee for the purpose composed of Pres. F. F. Reeves, Humber Bay, W. A. McCalla, St. Catharines, T. Delworth, Weston, and J. Lewis, Hamilton. Messrs. Reeves and Delworth attended the experimental union meeting on Dec. 10 and 11; the other members

of the committee were unable to be present. During the sessions of the union, there appeared to be a misapprehension regarding the position of the delegates from the O.V.G.A. Some members, apparently, wished to give the impression that the O.V.G.A. had applied to the union to assist the vegetable growers in experimental work. This was not so.

The union appointed a committee to meet with Messrs. Reeves and Delworth with a view to considering what could be done. The committee comprised Prof. Hutt, and Messrs. Holterman and McMeans. This committee asked the vegetable men to suggest lines of work that could be carried on. The delegates told them that their visit was only in response to the invitation of the president of the union and that they had no instructions from the directors of the O.V.G.A. regarding the lines of work that the association would like to have undertaken. The delegates suggested, however, that it would be profitable to take up variety tests with the following vegetables: Carrots, beets and beans.

This did not meet with the approval of Prof. Hutt, who claimed that they had no ground work on which to base such experiments. He claimed that it would take 3 or 4 years' experimental work at Guelph to gain the necessary information. The vegetable men were of the opinion that if variety tests are of any value, practical growers could easily give the information regarding standard commercial varieties that could be tested against the novelties that are disseminated by reliable dealers.

"The question was raised by Mr. Holterman as to whether or not the vegetable men would be dealt with as an association or as individuals in the event of the union taking up cooperative experiments. Prof. Hutt replied that the only way he could treat with the vegetable growers would be as individuals. He said that when the experiments were decided upon, (which might or might not be those suggested by the growers), they could, if they wished, take part as experimenters, with the understanding that they should report results to the experimental union. It appeared to the delegates that the experiments would not be conducted with a view to their usefulness to the growers, and that those in charge of their directions do not appear to have any practical knowledge of the needs of the commercial vegetable grower. They felt, also, that were experiments conducted by the growers on lines suitable to the union, it would simply place the O.V.G.A. in the position of a feeder for the union. Experiments sent out, as intimated by the union committee, would be of no material benefit to practical growers. The delegates, therefore, told the committee that they thought that the commercial grower would take very little interest in the experiments."

A PLAN OF WORK

The report, in conclusion, suggested that the O.V.G.A. outline and conduct a series of ex-

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