

ing varieties giving from 2 to 5 bush per acre more than our best common varieties. In barley the Mandscheuri and Oderbrucker have been distributed and have given very general satisfaction. In corn the Wisconsin White Dent, North Star Dent, Black Mexican and others have proved very valuable acquisitions. In nearly all farm crops valuable additions have been made, and we find that our people of late years have not been exploited to nearly the same extent as they formerly were, by agents selling much belauded new varieties of



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grains at fabulous prices, that very often proved much inferior if not actually worthless. The experiments with fertilizers too have proven very valuable, as in many sections of Ontario the fertilizer agents have been working our farmers to a very considerable extent. In the horticultural section Prof. Hutt has been working along quietly with increasing results from year to year, although he has met with special difficulties in extend-

ing this valuable branch of experimental work.

It is very encouraging to all interested in the work of the Union, to note the steady, uniform increase in the number of experiments and experimenters and to see how thoroughly every section of the Province is covered. Even the new districts of Rainy River, Algoma, Nipissing, and Temiscamingue are well represented, showing that this work is capable of indefinite expansion, and of untold service to the new regions to the north that are just being entered. The zone of successful agriculture and horticulture is constantly widening in Ontario. Within the memory of many living it was thought that apples and other fruits could not be successfully grown outside of a narrow belt along the great Lakes; now we find fruits successfully grown all over older Ontario, indeed, one of the fruit growing districts is that portion of the Province lying south of the Georgian Bay. The numbers of experiments is being constantly added to, this year, 1903, having the largest number in the history of the Union; material having been sent out for some 3345 experiments, covering many problems of interest and importance to the farmers of this Province. The cultivated area of Ontario now exceeds 13,000,000 acres, and if, by the introduction of better varieties, improved methods of cultivation and fertilizing we could add, say, even one dollar per acre annually to the farm crops of this Province what a magnificent result would be attained; and I believe we are doing it; if we take the official reports of the leading States of the United States and com-