

parison of the crops harvested from each section will enable readers to form their own conclusions without further comment on my part. The photographed roots are typical of the general condition of the plants throughout the sections in which they were grown.

Regarding plant-selection, a glance at the photographs showing a comparison between the plants usually raised commercially and the selected and carefully propagated plants will illustrate such a marked difference that I feel sure growers will study this matter more comprehensively. A comparison of the yields from these sections is also worth noting. This will serve to further bear out the remarks made on plant-propagation in report on experiments in Mr. Maffey's house.

SEED-SELECTION.

I should like to add a few more remarks to a paragraph under heading of "Plant-propagating" contained in my report on experiments in Mr. Maffey's house. It will be noticed that in these experiments all plants for both houses were raised from the same lot of seed, the variety being Clarke's Favourite. Now, I selected nearly thirty distinct types of fruit from the plants grown from this seed, thus plainly indicating that the type of Clarke's Favourite in this strain of seed was faulty, and required more careful selection and building up. To carry this out brings us back to cross-fertilization. This is a subject requiring detailed description, and space will not permit of any further remarks in this paper.

CROP.

The following is a statement of the yield of tomatoes from the different sections :—

No. 1 ..	527 lb.	..	Apterite	} Sprayed with am- moniacal carbon- ate of copper.
No. 2 ..	345 "	..	Vaporite	
No. 3 ..	268 "	..	Kainit	
No. 4 ..	277 "	..	Sulph. of iron	
	<u>1,417 lb.</u>					
No. 5 ..	403 lb.	..	Sulph. of iron and kainit	..	} Sprayed with Bor- deaux mixture.	
No. 6 ..	298 "	..	No treatment, ordinary plants			
No. 7 ..	367 "	..	" selected plants			
No. 8 ..	445 "	..	" "			
	<u>1,513 lb.</u>					

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