

Trial 10—continued.

Plot.	Variety.	Number of Roots examined.	Number of Roots infected with		Percentage of Roots infected with		Weight of Roots examined.
			Club-root.	Dry-rot.	Club-root.	Dry-rot.	
B	Mein's Green-top Yellow ..	45	6	4	13.3	8.8	lb. 36
	Commercial	41	40
C	Mein's Green-top Yellow ..	42	2	2	4.7	4.7	28
	Commercial	27	..	3	..	11.1	22
D	Mein's Green-top Yellow ..	48	1	2	2.1	4.2	36
	Commercial	35	..	3	..	8.5	26
<i>Averages of Plots.</i>							Average Yield per Acre.
..	Mein's Green-top Yellow ..	179	11	10	6.1	5.6	8 9
..	Commercial	146	..	8	..	5.5	8 16

As will be noted, Mein's turnip showed no superiority over the commercial variety. The percentage of club-root infection in the field was low, and consequently the information tabulated is a poor index of the probability of this turnip's disease-resistant properties. It is particularly to be noted that none of the commercial turnips was infected with club-root, whereas 6.1 per cent of Mein's showed infection. In regard to dry-rot resistance both varieties showed equal infection.

MEIN'S PURPLE-TOP YELLOW TURNIP.

This variety was tested at the Gore Experimental Area, with results as tabulated:—

11. Gore Experimental Area.

Plot.	Variety.	Number of Roots examined.	Number of Roots infected with		Percentage of Roots infected with		Weight of Roots examined.
			Club-root.	Dry-rot.	Club-root.	Dry-rot.	
A	Mein's Purple-top Yellow turnip	54	8	5	14.8	9.3	lb. 41
	Commercial turnip ..	37	2	3	5.4	8.1	32
B	Mein's Purple-top Yellow	45	4	1	8.8	2.2	40
	Commercial	36	3	1	8.3	2.8	32
C	Mein's Purple-top Yellow	42	8	2	19.0	4.7	32
	Commercial	34	..	2	..	5.9	32
D	Mein's Purple-top Yellow	51	6	4	11.7	7.8	41
	Commercial	39	1	1	2.5	2.5	40
<i>Averages of Plots.</i>							Average Yield per Acre.
..	Mein's Purple-top Yellow	192	26	12	13.5	6.5	9 14
..	Commercial	146	6	7	4.1	4.8	7 19