

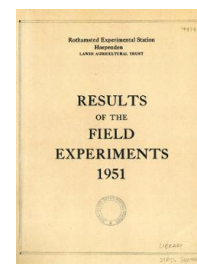
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Yields of the Field Experiments 1951

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51/A/4 Barnfield - Mangolds and Sugar Beet

Rothamsted Research

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51/A/4.1

MANGOLDS AND SUGAR BEET - BARNFIELD 1951

The 76th and 6th years

For details of treatments etc see Appendix 7, 1950

Cultivations, etc:

Dung applied: Dec 29. Ploughed: Mar 6. Fertilizer applied: May 23. Seed drilled, mangolds - 9 lb per acre, sugar beet - 18 lb per acre: May 26. Singling commenced: June 27. Top dressings applied: July 19. Mangolds lifted: Nov 23. Sugar beet lifted: Dec 8. Varieties: mangolds - Yellow Globe, sugar beet - Klein E. Seed treated with phenol and magnesium sulphate.

Summary of Results

Yields: tons per acre

Cross Dressings

Strip	O	N	A	AC	G
Mangolds: Roots					
1	4.34	15.35	13.23	17.04	16.21
2	5.33	16.57	13.49	18.97	16.65
4	2.19	(a) 11.99	8.13	9.95	12.04
		(b) 13.87			
5	1.89	11.81	5.10	3.25	4.63
6	1.68	11.03	9.69	11.19	10.68
7	2.11	11.56	10.78	12.26	12.13
8	0.89	5.71	1.88	2.35	4.06
9	7.25				
Mangolds: Leaves					
1	1.27	3.94	3.77	5.46	4.21
2	2.10	4.55	3.77	5.02	4.70
4	1.49	(a) 4.75	3.50	3.72	4.72
		(b) 4.94			
5	1.05	3.77	1.88	2.52	3.47
6	1.03	3.77	3.94	4.70	4.57
7	1.15	3.62	4.31	5.97	4.72
8	0.59	3.62	1.52	2.32	2.76
9	4.89				

51/A/4.2

Yields: tons per acre

Cross Dressings

Strip	O	N	A	AC	C
Sugar Beet: Roots					
1	5.31	6.19	9.53	9.49	10.28
2	2.62	8.75	5.86	6.21	7.54
4	1.26	(b) 5.04	5.80	7.95	6.79
5	0.83	4.94	3.28	3.18	2.97
6	1.22	4.65	7.11	6.85	6.74
7	1.30	6.58	7.56	6.67	6.30
8	1.10	4.55	2.84	3.77	3.02
Sugar Beet: Tops					
1	5.04	11.99	11.69	13.55	11.99
2	2.59	11.60	5.04	7.98	9.00
4	6.61	(b) 5.43	8.46	13.01	9.44
5	5.97	6.56	3.96	6.17	4.06
6	6.26	4.60	8.37	9.59	7.88
7	6.51	8.02	7.98	12.28	10.32
8	7.14	7.49	4.16	6.51	5.68