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Yields of the Field Experiments 1949

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49/A/4 Barnfield - Mangolds and Sugar Beet

49/A/4 *Barnfield - Mangolds and Sugar Beet*, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 8 - 9

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MANGOLDS AND SUGAR BEET - BARNFIELD 1949

Treatments as listed in 1938 Report, p. 110, except that on cross dressings AC and C, rape cake has been replaced by castor bean meal at the same rate of application.

Cultivations, etc.: Dung applied: Nov 20. Ploughed: Nov 23-26.
 Cultivated: Apr 12 and 13. Manures applied: May 4-6. Thistles cut: May 6. Harrowed, rolled, sugar beet drilled: May 9. Mangolds drilled, harrowed in: May 10. Ring rolled: May 11. Hoed: June 9-14. Singled: June 16-25. Hoed: June 23-27. Top dressings applied: June 29. Hoed: July 14-15 and 21-27, Aug 29-31. Hand weeded: Sept 14-16. Lifted both crops: Nov 3-16.

Varieties: Mangolds - Yellow Globe. Sugar Beet - Klein E.

Yields: tons per acre

Strip	Cross Dressings				
	O	N	A	AC	C
Mangolds: Roots					
1	10.19	13.73	11.66	15.14	13.68
2	11.34	18.20	16.24	18.94	15.14
4	4.00	(a) 11.56 (b) 11.04	12.12	17.37	14.97
5	1.52	6.70	5.81	6.72	4.52
6	2.16	8.29	9.64	12.80	9.26
7	1.83	7.55	9.93	11.58	9.07
8	1.33	2.89	2.54	4.42	3.10
9	7.57				
Mangolds: Leaves					
1	2.32	2.86	1.86	2.35	2.76
2	3.35	3.43	3.03	4.16	3.20
4	1.37	(a) 3.77 (b) 3.45	3.08	3.94	3.13
5	0.83	2.84	2.45	3.18	2.30
6	1.03	2.96	2.76	3.57	2.89
7	0.86	2.96	2.94	3.69	3.52
8	0.71	1.66	1.42	2.10	1.83
9	2.59				

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Yields: tons per acre

Cross Dressings

Strip	O	N	A	AC	C
Sugar Beet: Roots					
1	7.98	7.19	8.12	7.73	7.09
2	7.05	7.39	7.39	8.07	7.68
4	1.61	(b) 4.61	3.33	4.45	3.83
5	1.66	4.04	3.17	3.51	2.02
6	1.69	4.15	2.41	2.08	3.11
7	1.85	2.79	2.46	1.59	2.85
8	1.53	2.61	1.43	1.09	1.71
Sugar Beet: Leaves					
1	6.56	11.00	9.00	8.02	8.17
2	8.32	9.05	6.65	7.78	8.86
4	1.86	(b) 4.70	5.24	5.72	2.01
5	1.91	6.41	3.77	6.51	3.57
6	2.01	5.68	1.57	3.77	2.59
7	1.81	4.75	2.74	2.74	5.04
8	1.52	4.11	2.25	1.66	2.94