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Yields of the Field Experiments 1953

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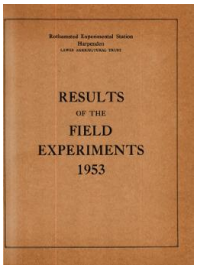

53/A/4 Barnfield - Mangolds and Sugar Beet - Rothamsted

Rothamsted Research

Rothamsted Research (1954) *53/A/4 Barnfield - Mangolds and Sugar Beet - Rothamsted ;* Yields Of The Field Experiments 1953, pp 7 - 8 **- DOI: https://doi.org/10.23637/ERADOC-1-173**

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MANGOLDS AND SUGAR BEET - BARNFIELD 1953 53/A/4.1

The 78th and 8th years

For history, details of treatments etc, see "Results of the Field Experiments 1939-47" Vol.I, Section A/5.

Cultivations, etc.: Dung applied: Jan 16. Ploughed: Jan 20. Fertilizers applied: Mar 19. Seed drilled, mangolds - 9 lb per acre, sugar beet - 18 lb per acre: Apr 10. Sprayed with D.D.T. emulsion: May 11. Singling commenced: June 22. Top dressings applied: July 14. Lifted: mangolds - Oct 29, sugar beet - Nov 11. Varieties: mangolds - Yellow Globe, sugar beet - Klein E.

Erratum to "Results of the Field Experiments 1939-47" Vol.I, page A/5.1, 6th line up: dressing for plot 4(b) should read "PCa" not "NPCa".

Summary of Results

Strip	Cross Dressing O	N	A	AC	C
	Mangolds, Roots: tons per acre				
1	7.02	26.33	29.20	26.20	27.83
2	15.18	31.31	30.11	33.65	33.08
4	3.07	(a) 22.32 (b) 20.79*	17.85	20.74	26.26
5	2.33	19.18	12.96	13.61	21.61
6	2.43	17.75	14.93	24.72	25.46
7	1.94	21.05	19.42	27.83	27.83
8	1.19	15.13	10.28	10.53	17.81
9	19.69				
	Mangolds, Leaves: tons per acre				
1	1.15	2.52	5.26	4.09	4.80
2	2.35	2.84	3.79	3.94	3.45
4	0.71	(a) 2.50 (b) 2.08*	2.94	2.72	2.84
5	0.64	1.91	2.45	2.89	3.01
6	0.69	1.74	1.96	3.47	2.74
7	0.66	2.10	2.84	4.28	3.33
8	0.71	2.08	2.40	3.43	3.79
9	2.25				
	Mangolds, Plant number: thousands per acre				
1	14.4	18.0	16.9	15.9	17.8
2	18.7	18.2	18.6	17.3	17.1
4	15.7	(a) 19.5 (b) 20.7*	18.9	17.9	18.8
5	16.6	18.5	17.8	16.6	18.8
6	15.6	19.3	19.1	18.4	19.1
7	14.3	19.4	19.4	20.3	18.8
8	13.9	18.4	16.7	15.6	18.2
9	20.4				

* No nitrate of soda. Nitrogen applied as calcium and potassium nitrates.

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53/A/4.2

Strip	Cross Dressing O	N	A	AC	C
		Sugar Beet, Roots: tons per acre			
1	7.28	18.24	18.67	18.32	19.18
2	7.71	15.24	13.02	15.76	17.13
4	2.46	(b) 12.33*	9.59	15.93	14.98
5	2.50	9.08	8.56	12.76	13.61
6	2.02	9.59	8.82	16.18	12.50
7	1.82	10.96	10.36	16.01	12.42
8	1.63	9.33	8.22	11.05	10.36
		Sugar Beet, Tops: tons per acre			
1	3.03	8.61	11.50	10.28	8.91
2	3.72	7.24	7.19	8.56	7.29
4	1.08	(b) 5.19*	3.72	8.86	6.65
5	1.13	4.55	4.45	10.28	6.65
6	0.83	4.99	4.75	7.54	5.68
7	0.64	5.24	4.99	10.67	5.28
8	0.83	5.09	4.75	11.69	5.68
		Sugar Beet, Plant number: thousands per acre			
1	18.6	21.5	20.4	19.8	20.2
2	21.4	21.6	22.1	20.6	19.3
4	20.6	(b) 21.8*	22.5	21.1	20.0
5	19.8	21.9	22.3	20.0	19.9
6	19.7	22.3	21.1	21.7	20.7
7	20.5	22.3	23.2	23.0	21.3
8	21.2	22.9	22.3	21.9	19.6
		Sugar Beet, Sugar percentage			
1	18.00	16.91	17.45	17.22	17.66
2	17.37	17.37	17.02	16.88	17.43
4	19.13	(b) 18.06*	17.60	17.48	17.86
5	18.12	16.39	17.66	17.25	17.14
6	17.83	16.99	17.51	17.14	18.72
7	17.71	18.12	17.83	17.77	18.09
8	17.22	16.85	17.60	17.05	17.37

* No nitrate of soda. Nitrogen applied as calcium and potassium nitrates.