

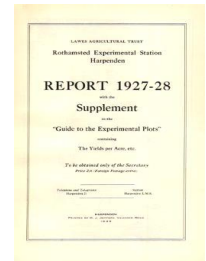
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List of Standard Errors in the Replicated Experiments 1925-28

Rothamsted Research

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TABLE I.
Standard errors per plot, and of average results in the
REPLICATED EXPERIMENTS, 1925-28, ROTHAMSTED and WOBURN.

Year and Page in Report.	Crop and Field.	Nature of Experiment, Fertilisers tested.	Area.	Number of Plots.	Standard error per plot, %	Standard error of means, %
1925, p. 138	Potatoes, West Barnfield	Potassic	1/50	16	4.9	2.4
1925, p. 139	Potatoes, West Barnfield	Potassic and S./A., varying quantities	1/50	48	8.6	4.3
1925, p. 144	Mangolds, West Barnfield	S./Amm. basal and Top Dressed	1/20	18	14.8	10.5
1925, p. 145	Oats, Long Hoos	S. & M./Amm., Early and Late	1/40	24	10.8	7.7
1925, p. 154	Wheat, Sawyer's Field	Single and Double	1/10	47	8.9	4.5
1925, p. 138	Potatoes, Stackyard	Uniformity Trial	1/50	16	4.8	2.4
1926, p. 140	Potatoes, Stackyard	Potassic	1/50	64	4.2	4.2
1926, p. 155 ¹	Potatoes, Woburn	Potassic and S./Amm., varying quantities	1/50	25	3.9	3.9
1926, p. 141	Sugar Beet, Woburn...	Nitrogenous, varying quantities	1/60	25	3.8	1.9
1926, p. 142	Sugar Beet, Rothamsted	Potassic	1/145	16	11.0	5.5
1926, p. 143	Sugar Beet, Woburn...	Nitrate of Soda Top Dressing	1/60	25	6.1	2.7
1926, p. 146	Oats, Long Hoos	Nitrate of Soda Top Dressing	1/40	96	4.3	1.9
1926, p. 147	Wheat, Gt. Harpenden	S. & M./Amm., Early and Late	1/40	48	8.5	3.8
1926, p. 149	Malting Barley, New Zealand	Single and Double	1/25	32	3.5	1.7
1926, p. 150	Oats, Long Hoos	S. & M./Amm. Sulphate & Muriate of Potash	1/40	12	4.1	2.1
1926, p. 153	Swedes, Sawyer's Field	S. & M./Amm., Urea	1/4	9	14.5	6.5
1926, p. 155	Swedes, Sawyer's Field	Cultivation	1/10	47	15.0	6.7
1927, p. 135	Wheat, Great Knott...	Uniformity Trial	1/40	48	7.9	1.4, 2.0
1927, p. 131	Barley, Gt. Harpenden	S. & M./Amm., Early and Late	1/40	48	12.5	2.2, 3.1
1927, p. 140	Potatoes, Long Hoos	Nitrogenous, varying quantities	1/40	81	14.0	3.5, 5.0
1927, p. 157	Potatoes, Woburn	Superphosphate...	1/40	36	10.4	2.6, 3.7
1927, p. 156	Potatoes, Woburn	Potassic and S./Amm., varying quantities	1/40	16	9.0	4.5
1927, p. 150	Swedes, Long Hoos	Nitrogenous	1/40	25	5.0	2.5
		Superphosphate...	1/40		6.4	3.7
		Phosphatic and Nitrogenous	1/25		4.4	2.6
					6.5	3.8
					10.8	6.2
					6.7	6.7
					16.4	16.4
					7.7	7.7
					11.6	2.9, 4.1
					8.6	2.1, 3.0
					10.3	2.1, 5.2
					10.7	2.2, 5.4
					6.1	1.2, 1.4, 2.0
					7.4	3.7
					5.2	2.6
					3.2	1.4
					5.2	2.3

¹ 1927-28 Report.

REPLICATED EXPERIMENTS, 1925-28—contd.

Year and Page in Report.	Crop and Field.	Nature of Experiment, Fertilisers tested.	Area.	Number of Plots.	Standard error per Plot, per cent.	Standard error of means, per cent.
1927, p. 144	Sugar Beet, Long Hoos	S./Amm. & Cyan., with Top Dressing	1/40	72	10.2	1.5, 4.1
1927, p. 160	Sugar Beet, Woburn...	Nitrogenous, varying quantities	1/40	54	10.9	1.5, 4.4
1927, p. 153	Oats, Sawyer's Field...	Uniformity Trial	1/10	47	13.7	5.6
1927, p. 151	Barley, Sawyer's Field	Cultivation, Simar, etc.	1/40	9	17.2	7.0
1928, p. 136	Wheat, Pastures	S. & M./Amm., Early and Late	1/40	96	10.6	10.6
1928, p. 133	Barley, Long Hoos	Nitrogenous, varying quantities	1/40	96	7.7	7.7
1928, p. 142	Potatoes, Gt. Harpenden	Superphosphate...	1/90	102	8.5	4.9
1928, p. 158	Potatoes, Woburn	Nitrogenous	1/40	72	4.1	2.4
1928, p. 156	Potatoes, Woburn	Superphosphate...	1/40	16	12.5	2.9
1928, p. 154	Malting Barley, Woburn	Nitrogenous and Potassic	1/40	32	15.6	3.7
1928, p. 147	Sugar Beet, Gt. Harpenden...	Superphosphate...	3/200	144	10.1	3.6
1928, p. 162	Sugar Beet, Woburn...	Potassic, Superphosphate	1/40	78	8.9	3.1
1928, p. 139	Barley, Long Hoos	Top Dressing of Nitrochalk	1/40	16	9.4	1.8, 3.8
1928, p. 152	Swedes, Gt. Harpenden	Nitrogenous, Top Dressing of Nitrochalk	1/20	16	7.1	2.5
		Nitrogenous Top Dressing	1/40	16	4.0	2.0
		Cultivation, Ridged and Simar	1/20	16	22.5	11.3
					19.4	9.7
					9.6	1.1, 1.4
					10.0	1.1, 1.4
					9.3	2.2
					15.1	3.6
					7.7	3.8
					7.2	3.6
					4.8	2.4
					12.1	6.0

Average Standard Errors of Single Plot for Different Crops obtained from above table.

No. of Experiments on which Average is based.	Crop.	Average Standard Error of Single Plot, per cent.
11	Potatoes	6.69
7	Sugar Beet	9.30
5	Swedes	11.54
4	or Mangolds	7.20
5	Wheat	11.06
4	Barley	10.58
5	Barley	9.62
4	Oats	9.12*
		7.18*
		8.45
		7.35

* But if Woburn, 1928, be included, these become 11.35 and 9.22 respectively; see page 154 of Report.