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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	4.8	4.5
1925, p. 138	Potatoes, Stackyard	Uniformity Trial	1/50	16	4.2	2.4
1926, p. 140	Potatoes, Stackyard	Potassic ...	1/50	64	3.9	3.9
1926, p. 155 ¹	Potatoes, Woburn	Potassic and S./Amm., varying quantities	1/50	25	3.8	1.9
1926, p. 141	Sugar Beet, Woburn...	Nitrogenous, varying quantities	1/60	25	11.0	5.5
1926, p. 142	Sugar Beet, Rothamsted	Potassic ...	1/145	16	6.1	2.7
1926, p. 143	Sugar Beet, Woburn...	Nitrate of Soda	1/60	25	4.3	1.9
1926, p. 146	Oats, Long Hoos	Nitrate of Soda Top Dressing	1/40	96	8.5	3.8
1926, p. 147	Wheat, Gt. Harpenden	Nitrate of Soda Top Dressing	1/40	48	3.5	1.7
1926, p. 149	Malting Barley, New Zealand	S. & M./Amm., Early and Late	1/25	32	4.1	2.1
1926, p. 150	Oats, Long Hoos	Single and Double	1/40	12	14.5	6.5
1926, p. 153	Swedes, Sawyer's Field	S. & M./Amm., Early and Late	1/4	9	15.0	6.7
1926, p. 155	Swedes, Sawyer's Field	Cultivation ...	1/10	47	7.9	1.4, 2.0
1927, p. 135	Wheat, Great Knott...	Uniformity Trial	1/40	48	12.5	2.2, 3.1
1927, p. 131	Barley, Gt. Harpenden	S. & M./Amm., Early and Late	1/40	48	14.0	3.5, 5.0
1927, p. 140	Potatoes, Long Hoos	Single and Double	1/40	81	10.4	2.6, 3.7
1927, p. 157	Potatoes, Woburn	S. & M./Amm., Sulphate & Muriate of Potash	1/40	36	9.0	4.5
1927, p. 156	Potatoes, Woburn	S. & M./Amm., Urea	1/40	16	5.0	2.5
1927, p. 150	Swedes, Long Hoos	Cultivation ...	1/25	25	6.4	3.7
		Uniformity Trial	1/10	47	4.4	2.6
		S. & M./Amm., Early and Late	1/40	48	6.5	3.8
		Single and Double	1/40	48	10.8	6.2
		Nitrogenous, varying quantities	1/40	48	6.7	6.7
		Superphosphate...	1/40	48	16.4	16.4
		Potassic and S./Amm., varying quantities	1/40	48	7.7	7.7
		Nitrogenous	1/40	48	11.6	2.9, 4.1
		Superphosphate...	1/40	48	8.6	2.1, 3.0
		Phosphatic and Nitrogenous	1/25	25	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. ...	11/40	9	17.2	7.0
1928, p. 136	Wheat, Pastures ...	S. & M./Amm., Early and Late ...	1/40	96	7.7	7.7
1928, p. 133	Barley, Long Hoos ...	Nitrogenous, varying quantities ...	1/40	(72 used)	8.5	4.9
1928, p. 142	Potatoes, Gt. Harpenden ...	Potassic and Nitrogenous ...	1/90	102	4.1	2.4
1928, p. 158	Potatoes, Woburn ...	Superphosphate... ..	1/40	(54 used)	12.5	2.9
1928, p. 156	Potatoes, Woburn ...	Superphosphate... ..	1/40	96	15.6	3.7
1928, p. 154	Malting Barley, Woburn ...	Superphosphate... ..	1/40	8.9	10.1	3.6
1928, p. 147	Sugar Beet, Gt. Harpenden...	Top Dressing of Nitrochalk ...	3/200	144	9.4	3.1
1928, p. 162	Sugar Beet, Woburn...	Nitrogenous, Top Dressing of Nitrochalk ...	1/40	78	7.1	1.8, 3.8
1928, p. 139	Barley, Long Hoos ...	Nitrogenous Top Dressing ...	1/40	16	4.0	2.5
1928, p. 152	Swedes, Gt. Harpenden ...	Cultivation, Ridged and Simar ...	1/20	16	22.5	2.0
				32	19.4	11.3
				144	9.6	9.7
				78	10.0	1.1, 1.4
				16	15.1	1.1, 1.4
				16	7.7	2.2
				16	7.2	3.6
				16	4.8	3.8
				16	12.1	2.4
				16	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
	{ roots ...	11.54
	{ tops ...	7.20
5	Swedes ...	11.06
	{ roots ...	10.58
	{ tops ...	9.62
4	Wheat ...	9.12*
	{ grain ...	7.18*
	{ straw ...	8.45
5	Barley ...	7.35
	{ grain ...	7.35
	{ straw ...	7.35
4	Oats ...	7.35

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