

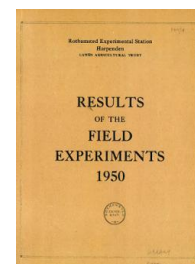
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Yields of the Field Experiments 1950

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50/BA/1 Two-course Rotation - Rothamsted

Rothamsted Research

Rothamsted Research (1951) *50/BA/1 Two-course Rotation - Rothamsted* ; Yields Of The Field Experiments 1950, pp 13 - 14 - DOI: <https://doi.org/10.23637/ERADOC-1-185>

50/Ba/1.1

TWO COURSE ROTATION EXPERIMENT

Cumulative effects of agricultural salt - Long Hoos V 1950

For details of treatments and rotations etc see Appendix Z.

Note. Only Barley (Series 2) was grown in 1950 and the experiment is now terminated.

Area of each plot: 0.0189 acre.

Cultivations, etc:

Agricultural salt applied: Dec 29. Ploughed: Jan 12.
Springtined: Mar 8 and again Mar 11. Harrowed: Mar 13.
Sulphate of ammonia applied: Mar 14. Seed drilled: Mar 15.
Harrowed in and rolled: Mar 16. Sprayed against weeds with
Cornox 2, 4-D: May 18. Harvested: Aug 5. Variety: Plumage
Archer. Previous crop: Sugar beet.

Standard error per plot:

Barley, grain, 1.47 cwt per acre or 5.5% (22 d.f.)

50/Ba/1.2

Series 2: Barley

Salt applied in 1949 cwt per acre	Potash applied in 1949 K ₂ O cwt per acre			Salt applied In In seed Winter bed		Salt in 1950 None Half Rate		Mean
	0.0	1.0	2.0					
Grain: cwt per acre								
	(±0.73)			(±0.56)		(±0.42)		
0	27.2	28.6	26.4					27.4
2.5	27.2	26.5	25.3	26.6	26.0	26.3	26.3	26.3
5.0	27.3	26.8	27.2	27.5	26.7	26.2	28.0	27.1
7.5	25.7	26.3	26.8	26.2	26.3	25.4	27.2	26.3
Mean	26.9	27.1	26.4	26.8	26.3	26.0	27.2	26.8
	(±0.37)			(±0.34)				

Straw: cwt per acre								
0	33.8	35.8	32.7					34.1
2.5	34.1	32.0	33.0	32.4	33.7	32.9	33.2	33.0
5.0	32.2	34.0	32.9	33.7	32.4	31.9	34.2	33.0
7.5	31.2	31.1	32.4	32.2	31.0	30.8	32.3	31.6
Mean	32.8	33.2	32.8	32.8	32.4	31.9	33.2	32.9