This work is licensed under a Creative Commons Attribution 4.0 International License.

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readible, or you suspect there are some problems, please let us know and we will correct that.

Yields of the Field Experiments 1985

Full Table of Content

Crop Sequences

Rothamsted Research

Rothamsted Research (1986) *Crop Sequences ;* Yields Of The Field Experiments 1985, pp 96 - 96 **- DOI: https://doi.org/10.23637/ERADOC-1-19**

This work is licensed under a Creative Commons Attribution 4.0 International License.

85/R/CS/10 and 85/W/CS/10

LONG TERM LIMING

Object: To study the effects of different amounts of lime and phosphate on the yields and compositions of a sequence of crops. Rothamsted (R) Sawyers I and Woburn (W) Stackyard C.

Sponsor: S.P. McGrath.

The 24th year, s. barley.

For previous years see 'Details' 1967, 1973 and 74-84/R&W/CS/10.

Design: 2 randomised blocks of 16 plots.

Whole plot dimensions: 6.40 x 18.3.

Treatments: All combinations of:-

1. CHALK Residual effects of ground chalk (tonnes $CaCO_3$) (total applied 1962-83):

R	W	Rothamsted total 1962-78	Rothamsted total 1982-83	Woburn total 1962-78	Woburn total 1982-83
0	0	0	0	0	0
14	8	7	7	6	2
23	24	15	8	14	10
50	43	30	20	23	20

2. P Residual effects of P fertilizer applied:

	Until 1978 R & W	1981 R & W	1982 R & W	1983 R	1983 W
0	0	0	0	0	0
P1	0	P1	P1	0	P2
P2	P	P1	0	P2	P2
P3	P	P3	P1	P2	P4

Rates 1981-83 P1, P2, P3, P4 = 25, 50, 75, 100 kg P as superphosphate

NOTES: Until 1978 test P was applied cumulatively, rates varied with crop, K was also applied cumulatively, to P1 and P3 plots. Since 1981 K has been applied basally.

Basal applications:-

Sawyers I (R): Manures: (25:0:16) at 450 kg. Weedkillers: Mecoprop at 1.6 kg with bromoxynil at 0.20 kg and ioxynil at 0.20 kg with fungicide in 200 l. Fungicide: Tridemorph at 0.52 kg.

Stackyard C (W): Manures: (25:0:16) at 490 kg. Weedkillers: Mecoprop at 1.2 kg with bromoxynil at 0.26 kg and ioxynil at 0.26 kg in 250 l.

Seed: Sawyers I (R): Klaxon, sown at 160 kg.
Stackyard C (W): Klaxon, sown at 150 kg.

https://doi.org/10.23637/ERADOC-1-19