

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 readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1972

[Full Table of Content](#)



72/W/CS/11 Soil Structure - Barley

Rothamsted Research

Rothamsted Research (1973) *72/W/CS/11 Soil Structure - Barley* ; Yields Of The Field Experiments 1972, pp 142 - 142 - DOI: <https://doi.org/10.23637/ERADOC-1-62>

72/W/CS/11

SOIL STRUCTURE

Object: To study direct and residual effects of peat, at a range of nitrogen levels, on the yield of barley - Woburn Stackyard II.

Sponsor: A.E. Johnston.

The tenth year, barley.

For previous years see 64/C/20(t), 65/C/19(t), 66/C/11(t), 67/C/8(t), 68/C/31(t), 69/W/CS/11(t), 70/W/CS/11(t) and 71/W/CS/11.

Design: 4 randomised blocks of 5 plots, each block containing all levels of peat.

Whole plot dimensions: 2.13 x 3.05.

Treatments: All combinations of:-

1. Peat (tonnes dry matter/hectare)

Applied 1963-68	1972	Total	
None	None	None	(0)
7.8	None	7.8	(1)
47.0	7.8	54.8	(2)
94.0	16.0	110.0	(3)
141.0	24.0	165.0	(4)

2. Nitrogen: None, 50, 100, 150 kg N as 'Nitro-Chalk'.

Basal applications: 2.5 tonnes ground chalk, 84 kg P as triple superphosphate, 280 kg K as potassium bicarbonate, 56 kg Mg as magnesium sulphate. Weedkiller: Dichlorprop and MCPA ('Mephetol Plus' at 5.6 l in 340 l).

Seed: Julia, dressed with ethirimol, sown at 170 kg.

Cultivations, etc.: Ground chalk, P, K, Mg and peat applied, plots dug by hand: 7 Dec, 1971. Seed drilled, N applied: 14 Mar, 1972. Weedkiller applied: 17 May.

NOTE: Birds caused severe damage to the crop and yields were not taken.