

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

Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



Crop Sequence Experiments - Crops in 1969 -

Rothamsted Research

Rothamsted Research (1970) *Crop Sequence Experiments - Crops in 1969 -* ; Numerical Results Of The Field Experiments 1969, pp 126 - 126 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

LEVELS OF N AND K

(69/R/CS/1)

Residues of N,P and K to grass Harwoods Piece 1969 - the 12th year, potatoes.

For treatments etc. see 'Results' 63/C/7.1 and 65/C/6.2 and for previous years' results see 58/Cg/2, 59/Cg/2, 60/Ci/1, 61/Dg/1, 62/C/11, 63/C/7, 64/C/6, 65/C/6, 66/C/5, 67/C/4 and 68/C/4.

Plots were split for a test of none (KD) v 1.0 (KK) cwt K2O as granular muriate of potash. Otherwise no treatment or basal P and K were applied in 1969.

Basal applications: 1.0 cwt N as 'Nitro-Chalk' broadcast by hand. Weedkiller: Paraquat at 0.375 lb ion plus linuron at 0.75 lb in 37 gals. Fungicide: Mancozeb at 1.2 lb in 37 gals on three occasions. Insecticide: Demeton-s-methyl at 3.5 oz applied with second mancozeb spray.

Area of each sub plot: 0.0043. Area harvested: 0.0024.

Cultivations, etc.: Ploughed: 6 Feb, 1969. Rotary cultivated, basal 'Nitro-Chalk' and muriate of potash applied, potatoes machine planted: 14 Apr. Weedkiller applied: 13 May. Grubbed: 19 June. Earthed up: 26 June. Fungicide applied: 15 July, 4 Aug, 21 Aug. Insecticide applied: 4 Aug. Lifted: 25 Sept. Variety: Pentland Dell.

NOTE: Leaf samples were taken in July for determination of percentage K. % N, % P and % K in tubers was determined. After harvest soil samples were taken to determine available P and K.

Standard errors per plot. Total tubers, tons:
Whole plot: 1.206 or 10.8% (33 d.f.)
Sub plot: 1.790 or 16.1% (36 d.f.)