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Numerical Results of the Field Experiments 1969

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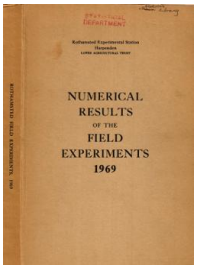

Crop Sequence Experiments - Crops in 1969 -

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**

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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 (KO) v 1.0 (KK) cwt K20 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.)