

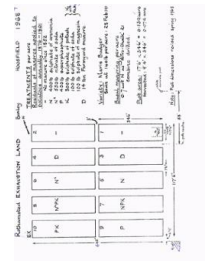
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Collection of Plans for the Exhaustion Land Experiment

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Exhaustion Land 1980

Rothamsted Research

Rothamsted Research (1973-1986) *Exhaustion Land 1980* ; Collection Of Plans For The Exhaustion Land Experiment, pp 11 - 11

Rothamsted EXHAUSTION LAND 12.5 Year BARLEY HOOSFIELD 1980 4

Sponsors J. F. Johnston, A. E. Johnston, J. McCuen

TREATMENTS per hectare (acre)

N to Sub-Plots (started 1976)

0,1,2,3 None, 48, 96, 144 kg N as 'Niko-Chalk' 26 (N rates rotate every year)*
(- 43, 86, 129 lb N)

Basal manuring: None

Variety: Georgie, seed/dressed with ethirimol
Sown at 140 lb/acre (157 kg/ha) 9 April

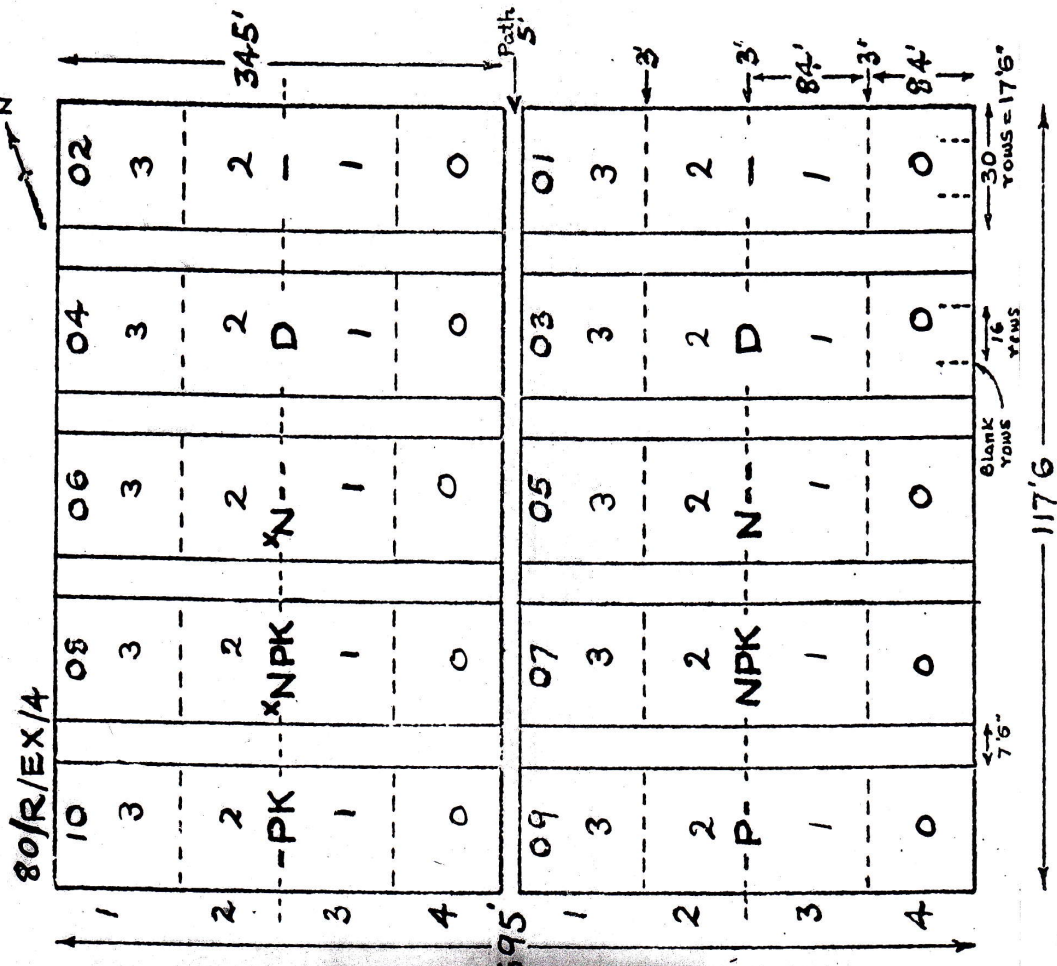
Residuals of Manures applied to POTATOES

Annually 1876-1901

- N N P K D
No manure since 1852
400 lb (448 kg/ha) Sulphate of ammonia
550 lb (617 kg) nitrate of soda
400 lb (448 kg) superphosphate
300 lb (336 kg) sulphate of potash } K with
100 lb (112 kg) sulphate of soda Na, Mg
100 lb (112 kg) sulphate of magnesias
14 tons (35 tonnes) farmyard manure

Plot area: 17'6" x 34'5" = 0.139 acre (0.056 ha)
Sub-plot 17'6" x 8'4" = 0.034 acre (0.014 ha)
Harvested: 9'4" x 8'4" = 0.018 acre (0.0073 ha)

* N sequence 1976 77 78 79 80 81
0 3 2 1 0 3
1 0 3 3 1 2
2 3 0 3 2 1



NOTE: Northern sidebands to receive N at 96 kg/ha in 1980