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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. Jenkin, A.E. Johnston, J. MacEwen

TREATMENTS per hectare (acre)
N to Sub-Plots (Started 1976)

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

Basal manuring: None

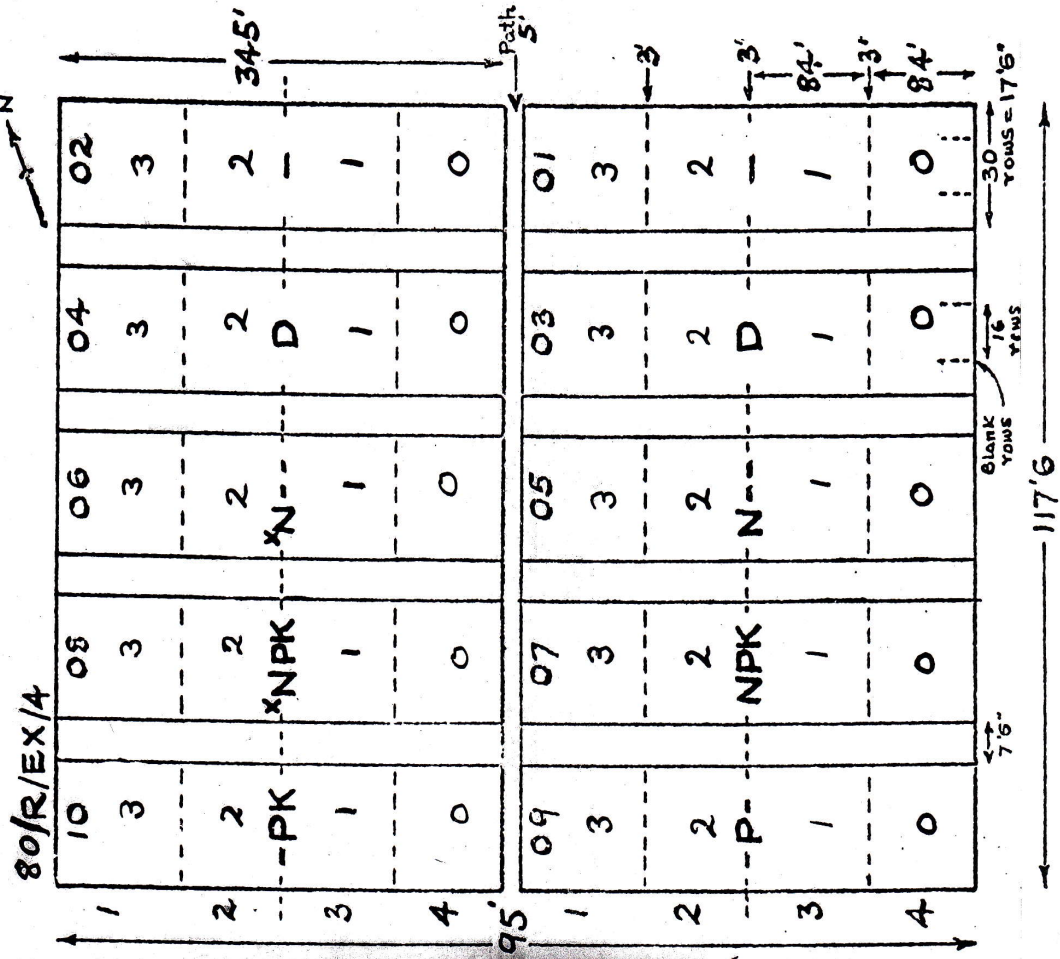
Variety: Georgie, seed/dressed with ethirimol
Sown at 140 lb/acre (157 kg/ha) 9 April

Residuals of Manures applied to POTATOES
Annually 1876-1901

- N NPK 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 magnesia }
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 0 3
2 3 0 1 2 3



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