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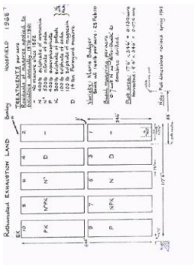
ROTHAMSTED RESEARCH

Collection of Plans for the Exhaustion Land Experiment



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Exhaustion Land 1980

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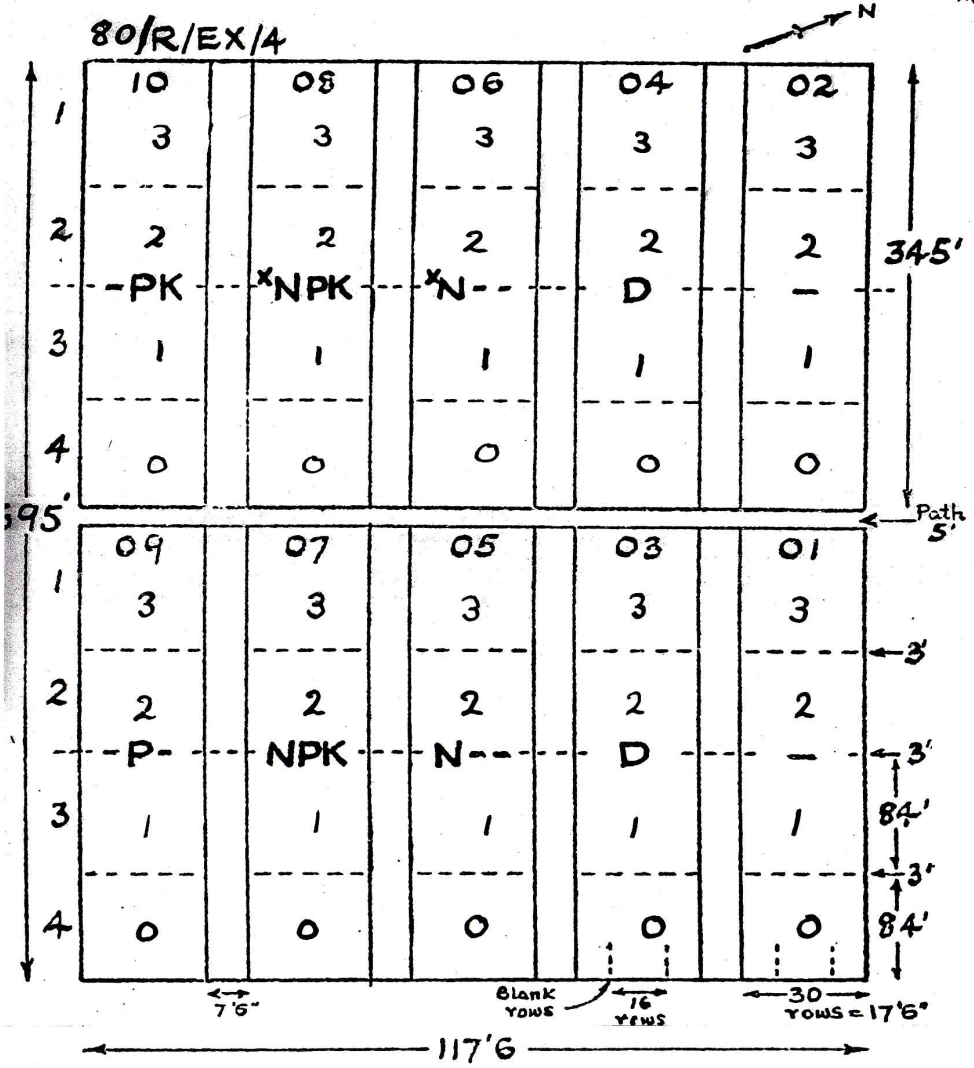
Rothamsted EXHAUSTION LAND 125 π Year · BARLEY HOOSFIELD 1980 4

80/R/EX/4



Sponsors J.B. Jenkyn, A.E. Johnston, J. McEwen

TREATMENTS per hectare (acre)

N to Sub-Plots (Started 1976)

(N rates rotate every year)*

0, 1, 2, 3 None, 48, 96, 144 Kg N as 'Nitro-Chalk' 26
(- 43, 86, 129 lb N)

Basal manuring: None

Variety: Georgie, seed not dressed with ethirimol

Sown at 140 lb/acre (157 Kg/ha) 9 April

Residuals of Manures applied to POTATOES Annually 1876-1901

-	No manure since 1852
N	400 lb (448 Kg/ha) sulphate of ammonia
x	550 lb (617 Kg) nitrate of soda
P	400 lb (448 Kg) superphosphate
K	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 }
D	14 tons (35 tonnes) farmyard manure

Plot area: 17'6" x 345' = 0.139 acre (0.056 ha)

Sub-plot 17'6" x 84' = 0.034 acre (0.014 ha)

Harvested: 9'4" x 84' = 0.018 acre (0.0073 ha)

* **N sequence**

1976	77	78	79	80	81
0	3	2	1	0	3
1	0	3	2	1	0
2	1	0	3	2	1
3	2	1	0	3	2

NOTE: Northern sidelands to receive N at 96 kg ha^{-1} in 1980

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