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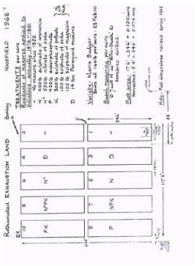
Collection of Plans for the Exhaustion Land Experiment



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Exhaustion Land 1978

Rothamsted Research

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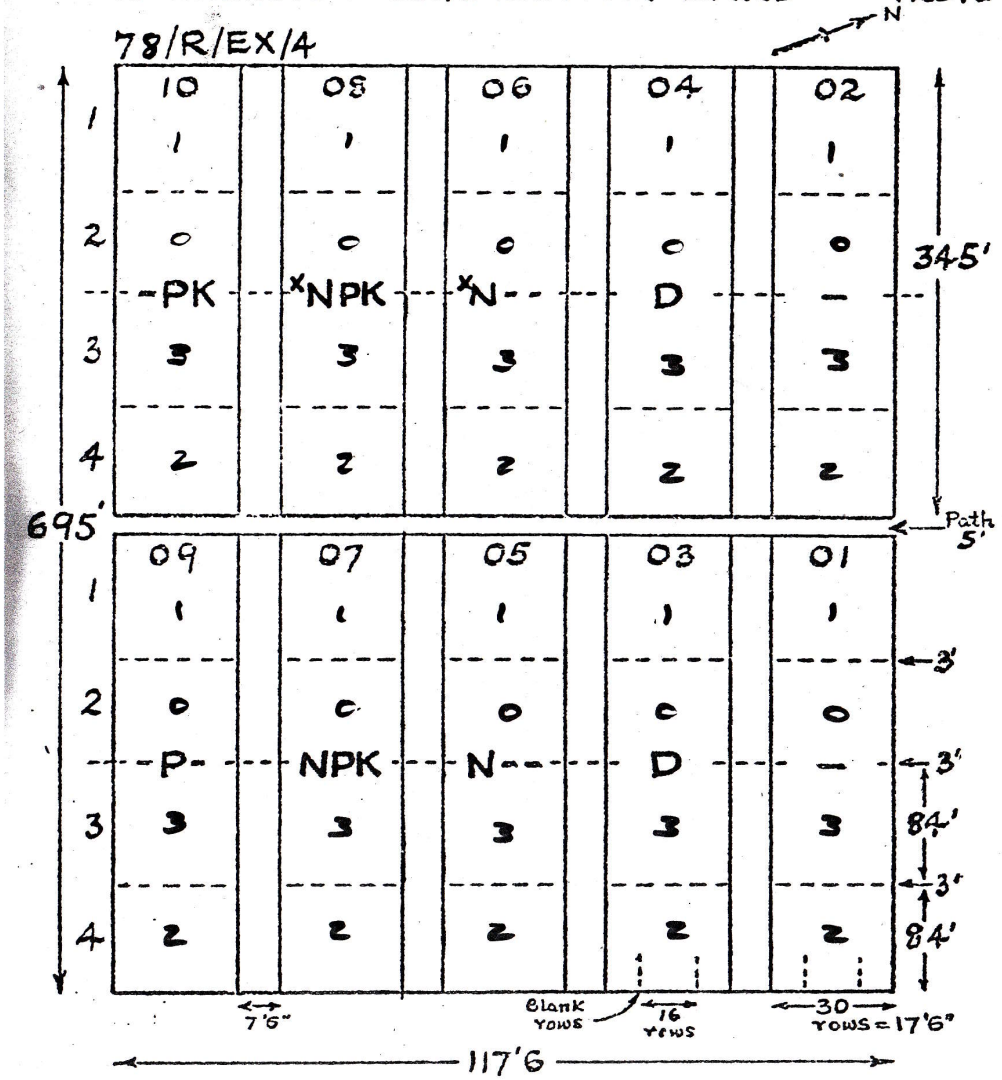
Rothamsted EXHAUSTION LAND 123rd Year BARLEY HOOSFIELD 1978

(JFJ, AEJ, JM)

78/R/EX/4



TREATMENTS per hectare (acre)

N to Sub-Plots – 3rd Year (N rates rotate every year)*

0,1,2,3 None, 48, 96, 144 Kg N as 'Nitro-Chalk' 25 (– 43, 86, 129 lb N).

Basal manuring: None

Variety: Julia, seed dressed with ethirimol

Sown at 140 lb/acre (157 Kg/ha) on 31 March

Residuals of Manures applied to POTATOES Annually 1876 – 1901

–	No manure since 1852
N	400 lb (448 Kg/ha) sulphate of ammonia
xN	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