

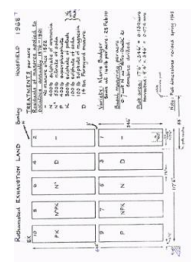
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ROTHAMSTED
RESEARCH

Collection of Plans for the Exhaustion Land Experiment

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Exhaustion Land 1977

Rothamsted Research

Rothamsted Research (1973-1986) *Exhaustion Land 1977* ; Collection Of Plans For The Exhaustion Land Experiment, pp 8 - 8

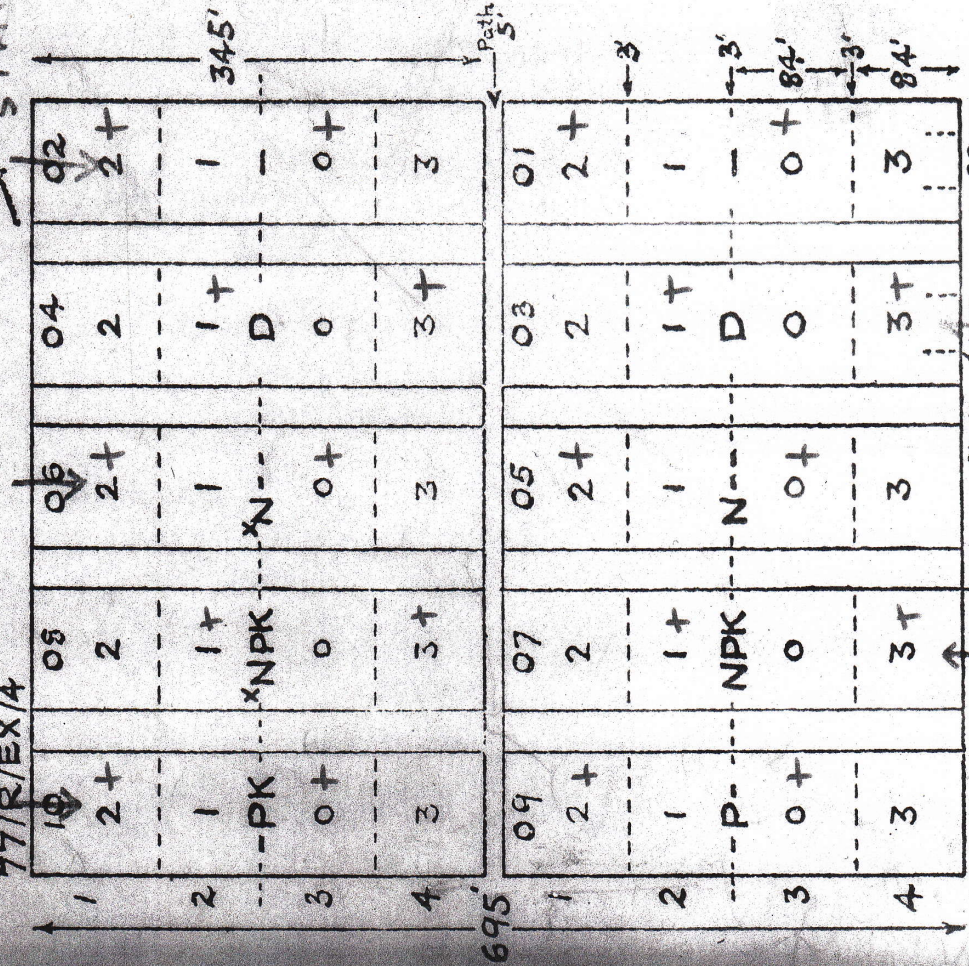
4
HOOSFIELD 1977

BARLEY

122nd Year

Rothamsted EXHAUSTION LAND

77/R/EX/4



TREATMENTS per hectare (acre)
N Co Sub-Plots - 2nd Year, bare followed in 1975
(N rates to 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 9/3/77

Residuals of Manures applied to POTATOES
Annually 1876-1901

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 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

151 9/18/77