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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

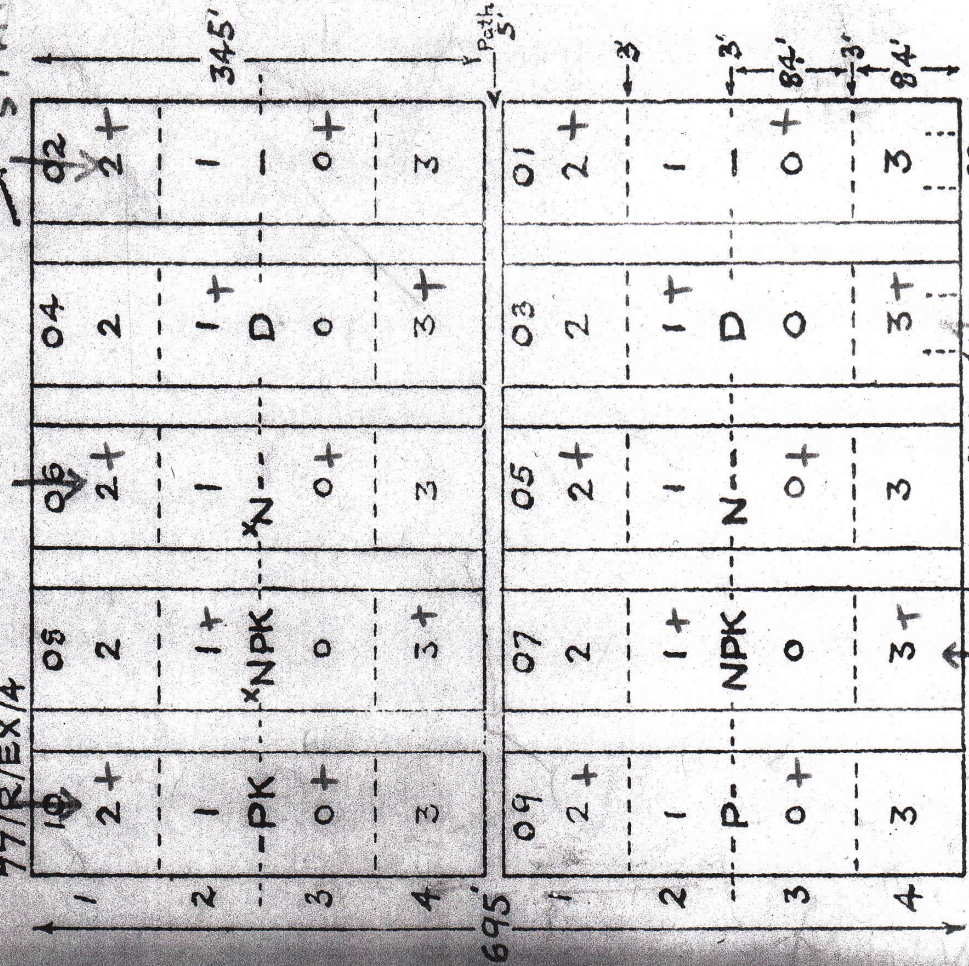
4
HOOSFIELD 1977

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 Na, Mg
 100 lb (112 kg) Sulphate of soda
 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 | 0 | 1 | 3 | 2 | 1 |
| 3 | 0 | 2 | 0 | 3 | 2 |

W 151 9/18/77