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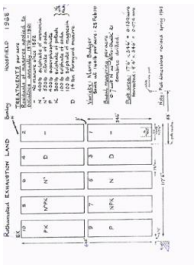
ROTHAMSTED RESEARCH

# Collection of Plans for the Exhaustion Land Experiment



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## Exhaustion Land 1979

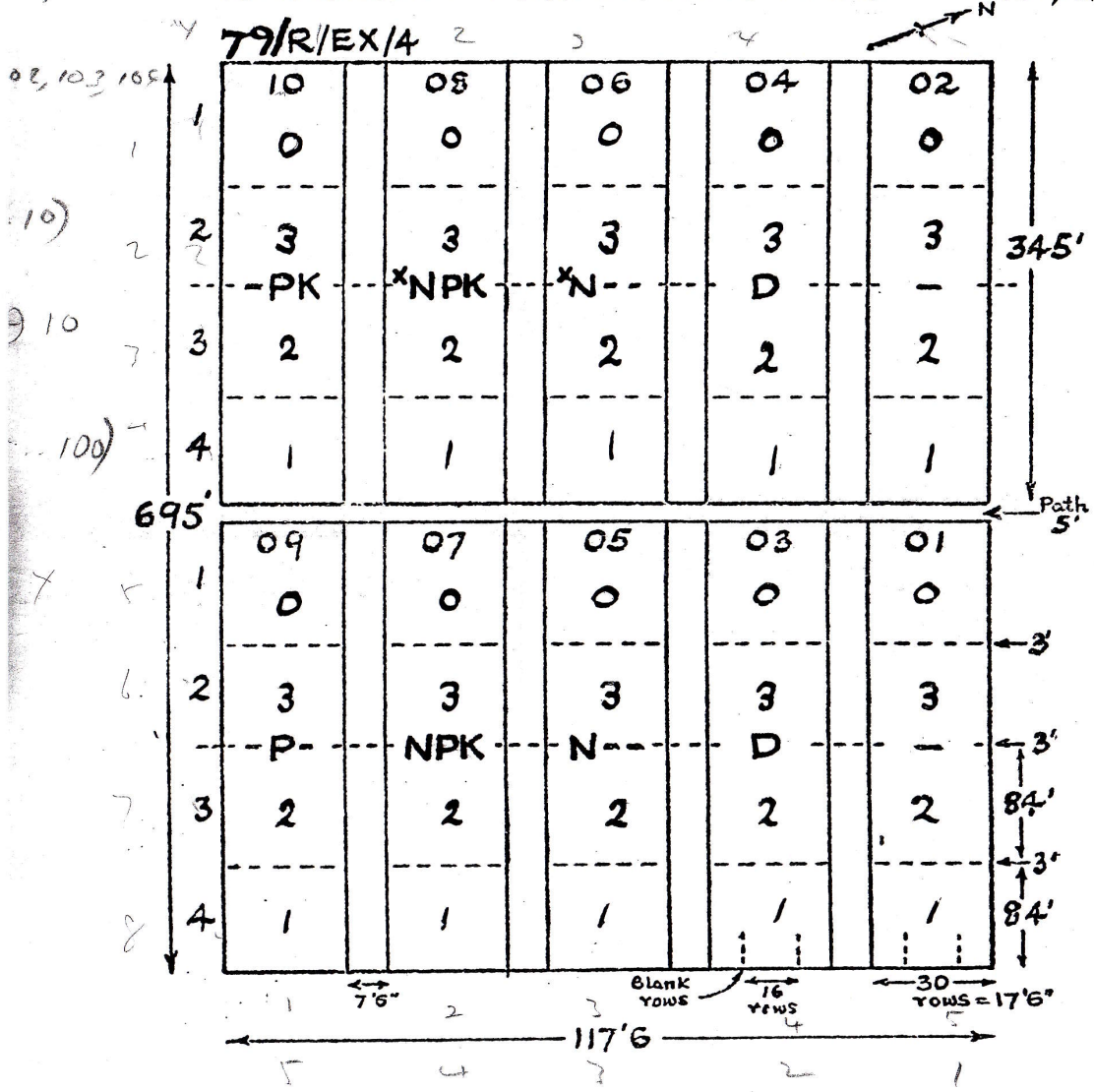
### Rothamsted Research

Rothamsted Research (1973-1986) *Exhaustion Land 1979 ;* Collection Of Plans For The Exhaustion Land Experiment, pp 10 - 10

# Rothamsted EXHAUSTION LAND 124th Year · BARLEY HOOSFIELD 1979

Sponsors: J.F. Jenkyn, A.E. Johnston, J. McEwen

79/R/EX/4




## TREATMENTS per hectare (acre)

N to Sub-Plots (N rates rotate every year)

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

Basal manuring: None

Variety: Julia, seed (not) dressed with ethirimol

Sown at 140 lb/acre (157 Kg/ha) on 18 April

## Residuals of Manures applied to POTATOES Annually 1876-1901

| | |
|---|---|
| - | No manure since 1852 |
| N | 400 lb (448 Kg/ha) sulphate of ammonia |
| xNPK | 550 lb (617 Kg) nitrate of soda |
| | 400 lb (448 Kg) superphosphate |
| K | 300 lb (336 Kg) sulphate of potash } 'K' in |
| | 100 lb (112 Kg) sulphate of soda } Na, |
| | 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 |

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