

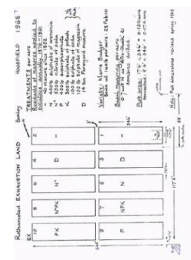
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RESEARCH

Collection of Plans for the Exhaustion Land Experiment

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Exhaustion Land 1976

Rothamsted Research

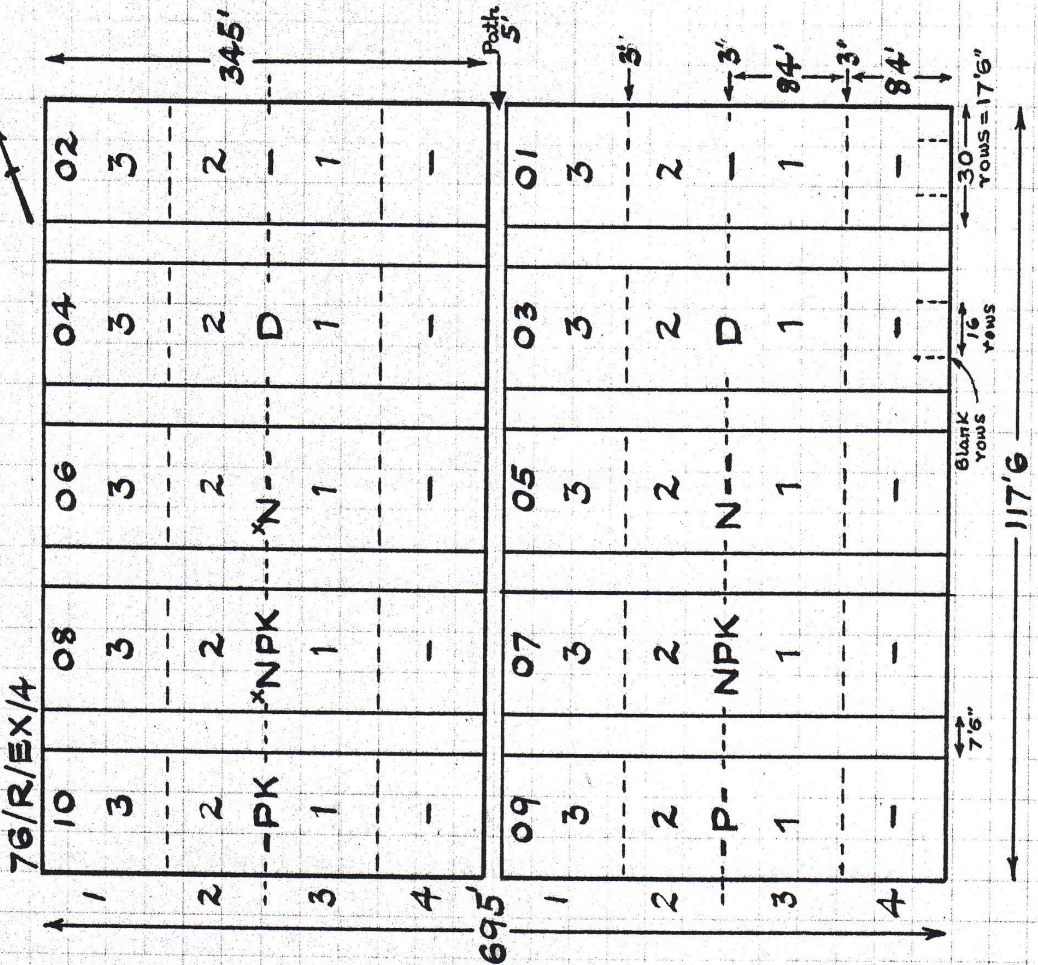
Rothamsted Research (1973-1986) *Exhaustion Land 1976* ; Collection Of Plans For The Exhaustion Land Experiment, pp 7 - 7

Rothamsted EXHAUSTION LAND 1976

21st Year BARLEY

HOOSFIELD

4



TREATMENTS per hectare (acre)
N to sub-plots - 1st Year, bare followed in 1975 (N rates to rotate every year)
 - 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 3 Mar.

Residuals of Manures applied to POTATOES
Annually 1876 - 1901

- N No manure since 1852
- x N 400 lb (448 kg/ha) sulphate of ammonia
- P 550 lb (617 kg) nitrate of soda
- K 400 lb (448 kg) superphosphate
- D 300 lb (336 kg) sulphate of potash } K with Na, Mg
- 100 lb (112 kg) sulphate of soda.
- 100 lb (112 kg) sulphate of magnesium
- 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 |
| 3 | 1 | 3 | 0 | 2 | 1 |