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ROTHAMSTED
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Collection of Plans for the Exhaustion Land Experiment

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Exhaustion Land 1978

Rothamsted Research

Rothamsted Research (1973-1986) *Exhaustion Land 1978* ; Collection Of Plans For The Exhaustion Land Experiment, pp 9 - 9

Rothamsted EXHAUSTION LAND

123rd Year

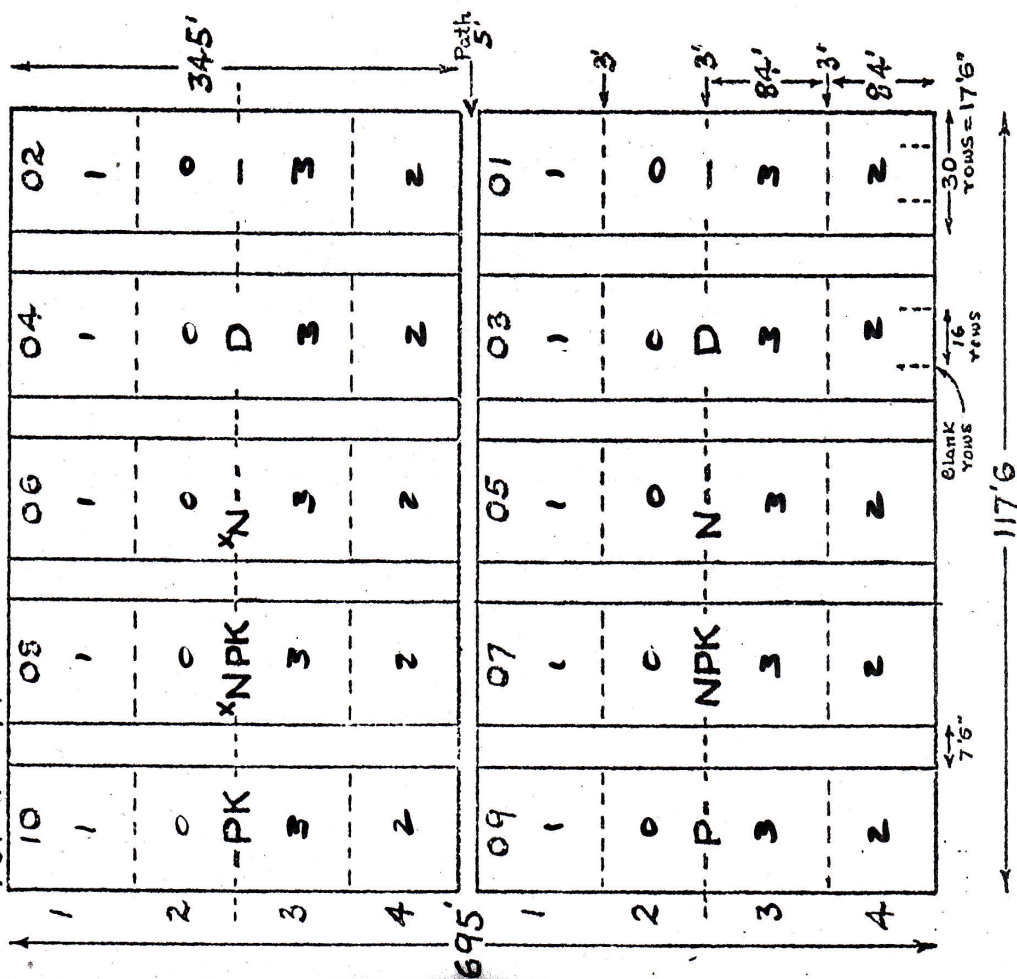
BARLEY

HOOSFIELD 1978

4

(J.F.J., A.E.J., J.M.)

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

- N No manure since 1852
- *NPK 400 lb (448 kg/ha) sulphate of ammonia
- K 550 lb (617 kg) nitrate of soda
- P 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	0
1	0	3	2	1	0
2	1	0	3	2	1
3	2	1	0	3	2