

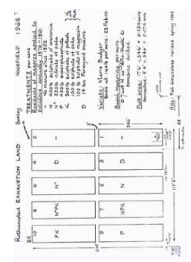
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ROTHAMSTED
RESEARCH

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

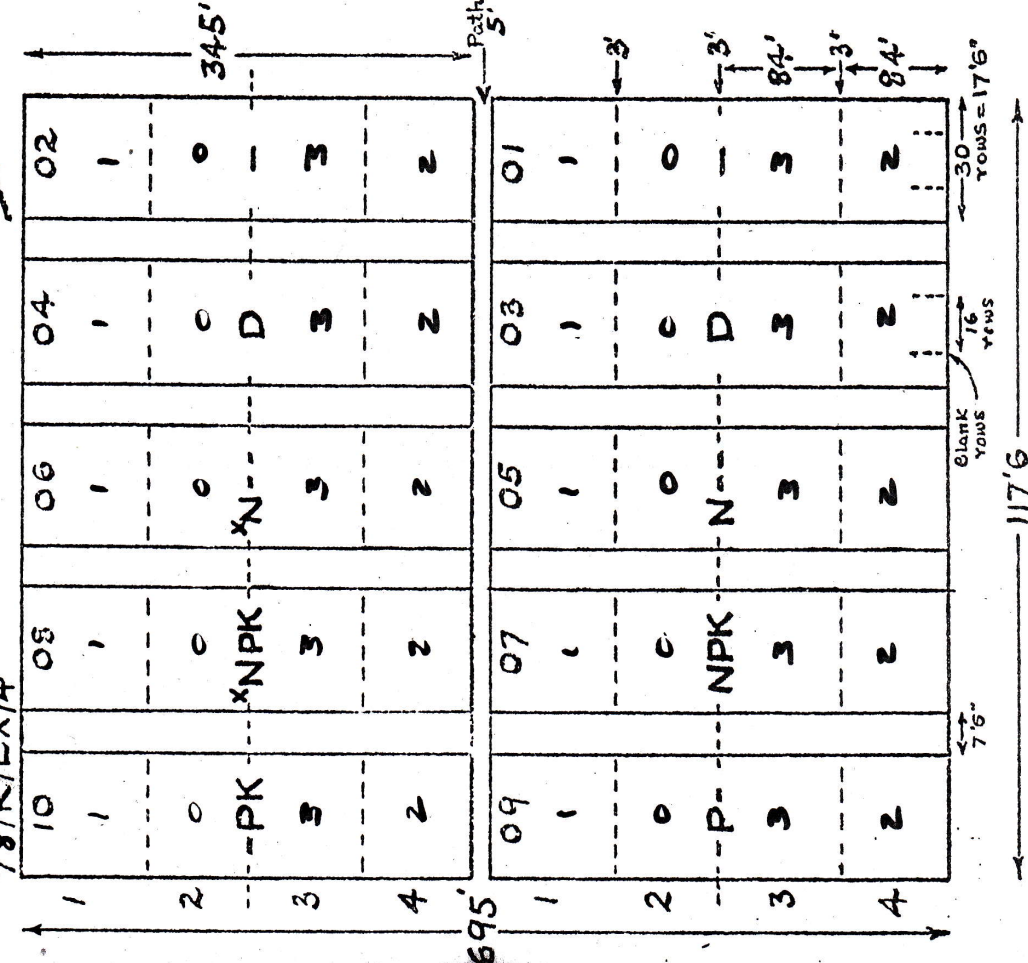
BARLEY

HOOSFIELD 1978

4

78/R/EX/4

(JFJ, AEG, JFM)



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

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 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 1 2 3 4 5
 1 2 3 4 5 6
 2 3 4 5 6 7
 3 4 5 6 7 8
 4 5 6 7 8 9
 5 6 7 8 9 10