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Numerical Results of the Field Experiments 1970

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70/S/B/2 Barley N Rates to Barley After Grass

Rothamsted Research

Rothamsted Research (1971) *70/S/B/2 Barley N Rates to Barley After Grass* ; Numerical Results Of The Field Experiments 1970, pp 264 - 265 - DOI: <https://doi.org/10.23637/ERADOC-1-59>

BARLEY

(70/S/E/2)

N rates to barley after grass, Saxmundham Grove Plot 1970.

Design: 2 randomised blocks of 8 plots.

Area of each plot: 0.0046. Area harvested: 0.0018.

Treatments:- Nitrogen: None (N0), 0.4 (N1), 0.8 (N2), 1.0 (N3),
1.2 (N4), 1.4 (N5), 1.6 (N6), 2.0 (N7) cwt N as 'Nitro-Chalk'.

Basal applications: 560 lb (0:20:20) broadcast. Weedkiller:
Mecoprop at 36 oz and 2,4-D at 9 oz in 20 gals.

Cultivations, etc.: Ploughed: 30 Oct, 1969. N and PK applied,
seed drilled: 23 Apr, 1970. Weedkiller applied: 28 May. Combine
harvested: 18 Aug. Variety: Julia. Previous crops: 3 years
grass.

Standard error per plot.

Grain, cwt: 1.47 or 5.5% (7 d.f.)

70/S/B/2

SUMMARY OF RESULTS

NO	N1	N2	N3	N4	N5	N6	N7	Mean
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GRAIN: CWT

(± 1.04)

14.9	23.3	25.8	28.6	30.8	27.9	31.0	33.5	27.0
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STRAW: CWT

15.5	21.8	25.9	30.0	30.2	32.2	35.1	38.3	28.6
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Mean D.M. %: Grain: 86.0
Straw: 88.4