

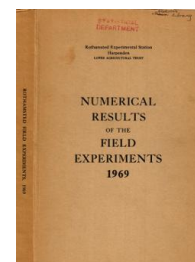
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Numerical Results of the Field Experiments 1969

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69/S/B/2 - Ibdu - Barley

Rothamsted Research

Rothamsted Research (1970) *69/S/B/2 - Ibdu - Barley* ; Numerical Results Of The Field Experiments 1969, pp 272 - 273 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

BARLEY

(69/S/B/2)

IBDU (Iso-butylidene di-urea) as a nitrogenous fertiliser for barley, Saxmundham, Rotation I sidelands, 1969.

Design: 3 randomised blocks of 10 plots.

Area of each plot: 0.0023. Area harvested: 0.0009.

Treatments: None (0) (2 plots per block) and all combinations of:-

1. Nitrogen: 'Nitro-Chalk' applied either in seedbed (NS), or half in seedbed, half top-dressed (ND). IBDU in seedbed, either as powder (BP) or as granules (BG).
2. Levels of N: 50 lb (N1), 100 lb (N2).

Basal applications: 512 lb (0:20:20) broadcast. Weedkiller: Mecoprop at 36 oz and 2,4-D at 9 oz in 25 gals.

Cultivations, etc.: Ploughed: 23 Oct, 1968. Basal PK and seedbed nitrogen applied, seed drilled: 26 Mar, 1969. 'Nitro-Chalk' top-dressing applied: 23 May. Weedkiller applied: 23 May. Harvested: 20 Aug. Variety: Sultan.

Standard error per plot.

Grain, cwt: 3.63 or 16.0% (17 d.f.)

SUMMARY OF RESULTS

	O	NS	ND	BP	BG	Mean
GRAIN, CWT						
						(± 2.10)
N1		28.4	26.3	13.9	20.9	22.4
N2		26.3	29.4	27.0	25.8	27.1
Mean (± 1.48)	14.8	27.4	27.8	20.5	23.4	22.8*
STRAW, CWT						
N1		28.9	24.7	16.6	20.8	22.7
N2		37.7	36.3	29.5	25.1	32.1
Mean	13.9	33.3	30.5	23.0	22.9	24.7*

* General mean

Mean D.M. %: Grain: 81.7
 Straw: 76.5