

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



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)			(±1.05)
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