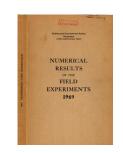
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Numerical Results of the Field Experiments 1969



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69/R/CS/47 - Thiourea - Spring Wheat

Rothamsted Research

Rothamsted Research (1970) 69/R/CS/47 - Thiourea - Spring Wheat; Numerical Results Of The Field Experiments 1969, pp 224 - 225 - DOI: https://doi.org/10.23637/ERADOC-1-96

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SPRING WHEAT

(69/R/CS/47)

Thiourea as a source of nitrogen and as a nitrification inhibitor to decrease loss of N from sulphate of ammonia, Fosters O and E I, 1969 the first year.

Design: 4 randomised blocks of 15 plots.

Area of each plot: 0.0014. Area harvested: 0.0001.

Treatments: The two factors below in all combinations which do not exceed 200 lb N:-

- Levels of N as thiourea: 0 (U0), 50 (U1), 100 (U2), 150 (U3), 200 (U4) 1b.
- Levels of N as sulphate of ammonia: 0 (A0), 50 (A1), 100 (A2), 150 (A3), 200 (A4) lb.

Basal applications: 250 lb (0:14:28). Weedkiller: Paraquat at 0.5 lb ion in 25 gals.

Cultivations etc.: Ploughed: 6 Aug, 1968. Weedkiller applied: 18 Oct. Ploughed second time: 21 Oct. Basal PK broadcast, N treatments applied, seed drilled: 10 Apr, 1969. Harvested: 3 Sept. Variety: Kolibri. Previous crops: Grass 1967 and 1968.

NOTE: Crop samples were taken 5 times during the growing season for estimation of yield and N uptakes.

Standard error per plot.
Grain, cwt: 3.55 or 8.9% (42 d.f.)

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SUMMARY OF RESULTS

SPRING WHEAT

	GRAIN: CWT	STRAW: CWT
	(±1.77)	
UOAO UOA1 UOA2 UOA3 UOA4 UIAO UIA1 UIA2 UIA3 U2A0 U2A1 U2A2 U3A0 U3A1 U4A0	32.3 41.4 38.3 41.7 44.7 39.2 41.2 41.7 39.0 39.5 43.1 42.4 37.8 35.3 38.5	48.8 61.5 57.4 60.0 66.5 61.1 58.9 58.9 58.6 58.9 59.0 58.1 49.9 51.7 53.1
Mean	39•7	57.5

Mean D.M. %: Grain: 82.3 Straw: 79.2