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Yields of the Field Experiments 1973

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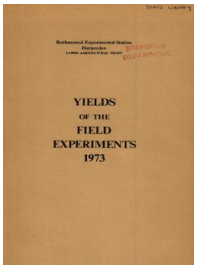

73/R/WS/1 - N Levels & Physiology - Spring Wheat

Rothamsted Research

Rothamsted Research (1974) *73/R/WS/1 - N Levels & Physiology - Spring Wheat ;* Yields Of The Field Experiments 1973, pp 311 - 311 **- DOI: https://doi.org/10.23637/ERADOC-1-98**

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73/R/WS/1

SPRING WHEAT

N LEVELS AND PHYSIOLOGY

Object: To study the physiological basis of the response of spring wheat to a wide range of nitrogen levels - Long Hoos V.

Sponsor: G.N. Thorne.

Design: 2 randomised blocks of 18 plots.

Whole plot dimensions: 2.41 x 14.9. Area harvested: 0.00106.

Treatments: All combinations of:-

1. Nitrogen fertiliser (kg N):

	N
None	0
25	25
50	50
75	75
100	100
125	125
150	150
175	175
200	200

2. Seed rates (kg):

	SEEDRATE
132	132
244	244

Basal applications: Manures: (0:20:20) at 780 kg. Weedkiller: MCPA, mecoprop and dicamba ('Tetralex plus' at 7.0 l in 290 l). Fungicides: Ethirimol at 0.35 kg in 290 l on four occasions, oxycarboxin at 1.5 kg in 290 l on one occasion, and 'BAS 3170F' at 2.2 kg in 290 l on one occasion.

Seed: Kleiber.

Cultivations, etc.:- Ploughed: 12 Nov, 1972. Basal PK applied: 29 Nov. Power harrowed and seed sown: 13 Mar, 1973. N treatments applied: 10 Apr. Weedkiller applied: 18 May. Fungicides applied:

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