

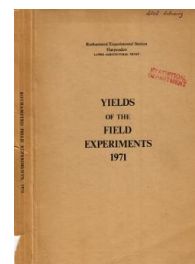
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1971

[Full Table of Content](#)



71/R/WS/2 Ethrel, Dust and Spray - S. Wheat

Rothamsted Research

Rothamsted Research (1972) *71/R/WS/2 Ethrel, Dust and Spray - S. Wheat ; Yields Of The Field Experiments 1971*, pp 257 - 258 - DOI: <https://doi.org/10.23637/ERADOC-1-97>

71/R/WS/2

SPRING WHEAT

ETHREL, DUST AND SPRAY

Object: To compare the effects of 'Ethrel', applied as dust or spray, on height and yield of spring wheat - Long Hoos IV.

Design: 6 randomised blocks of 6 plots.

Whole plot dimensions: 2.16 x 6.71. Area harvested: 0.00087.

Treatments: 'Ethrel' (2-chloroethylphosphonic acid):-

None (0)

Dust: 3.4 kg a.i. at 2-leaf stage (D2), at 4-leaf stage (D4), at 6-leaf stage (D6)

Spray: 1.1 kg a.i. in 337 l at 6-leaf stage (S6), at 8-leaf stage (S8)

Basal applications: 377 kg (20:10:10). Weedkiller: 2,4-D at 0.56 kg plus dichlorprop at 2.24 kg in 337 l.

Cultivations, etc.: Deep-tine cultivated on two occasions: 10 and 12 Oct, 1970. Seed drilled at 188 kg, basal NPK applied: 2 Apr, 1971. D2 treatment applied: 27 Apr. Weedkiller applied: 11 May. Remaining dusts applied: D4 - 19 May, D6 - 1 June. Sprays applied: S6 - 7 June, S8 - 16 June. Combine harvested: 2 Sept. Variety: Kolibri. Previous crops: Spring beans 1969, potatoes 1970.

NOTE: Shoot heights were measured and plant numbers counted. Samples were taken just before harvest for total dry matter and components of yield.

Standard error per plot.

Grain, tonnes/hectare: 0.479 or 16.7% (25 d.f.)

71/R/WS/2

SUMMARY OF RESULTS

GRAIN: TONNES/HECTARE

0	D2	D4	D6	S6	S8	Mean
<hr/>						
(±0.196)						
2.55	2.75	3.02	3.01	3.04	2.87	2.87

Mean D.M. %: 80.2