

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 1961

[Full Table of Content](#)



61/R/DA/1 Winter Wheat - Weedkillers on Take-all

Rothamsted Research

Rothamsted Research (1962) *61/R/DA/1 Winter Wheat - Weedkillers on Take-all* ; Yields Of The Field Experiments 1961, pp 107 - 107 - DOI: <https://doi.org/10.23637/ERADOC-1-182>

61/Da/1

WINTER WHEAT

Effect of weedkillers on Take-all (Ophiobolus graminis) - Great Field I 1961.

Design: 4 randomised blocks of 4 plots each.

Area of each plot: 0.0318 acres. Area harvested: 0.0147 acres.

Treatments: Unsprayed (0); 2,4-D at $\frac{3}{4}$ pint in 40 gallons per acre (A); CMFP at 6 pints in 40 gallons per acre (B); MCPA/TBA at 4 pints in 40 gallons per acre (C).

Basal dressings per acre: 54 cwt ground chalk; $2\frac{1}{2}$ cwt compound fertiliser (16% P_2O_5 , 16% K_2O) combine drilled; $3\frac{1}{2}$ cwt 'Nitro-Chalk' 21.

Cultivations, etc.: Ground chalk applied: Oct 4, 1960. Ploughed: Oct 15. Seed combine drilled at 3 bushels per acre: Jan 23, 1961. 'Nitro-Chalk' applied: Apr 19. Sprays applied: May 19. Combine harvested: Aug 31. Variety: Cappelle. Previous crop: Winter wheat.

Note. Counts of plant number, and estimates of incidence of Take-all (Ophiobolus graminis) were made.

Standard error per plot.

Grain (at 85% dry matter): 2.49 cwt per acre or 14.1% (9 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

Spray				Mean
0	A	B	C	
19.4	17.3	17.4	16.6	17.7
	(± 1.24)			

Mean dry matter % as harvested: 84.4