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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); CMPP 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