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Yields of the Field Experiments 1965

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65/R/AQ/C/9 Cereal Disease Reference Plots - Wheat

Rothamsted Research

Rothamsted Research (1966) *65/R/AQ/C/9 Cereal Disease Reference Plots - Wheat* ; Yields Of The Field Experiments 1965, pp 145 - 146 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/C/9.1

CEREAL DISEASE REFERENCE PLOTS

(AQ)

Pennells Piece 1965, the third year

For treatments etc., see 'Results' 63/C/10. (WW = Winter wheat, SW = Spring wheat, O = Oats).

Area of each plot: 0.0180. Area harvested: Winter wheat - 0.0115, spring wheat - 0.0116.

Cultivations, etc.: Ploughed: Oct 12, 1964. All plots except winter wheat chisel ploughed: Dec 23.

Winter wheat: Seed combine drilled at 160 lb: Oct 23. 'Nitro-Chalk' applied: Mar 11, 1965. Sprayed with mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals): Apr 23. Combine harvested: Sept 10.

Spring wheat: Seed combine drilled at 190 lb: Apr 2, 1965. 'Nitro-Chalk' applied: Apr 5. Sprayed with mecoprop/2,4-D (Methoxone Extra at 6 pints in 40 gals): May 13. Combine harvested: Sept 10.

Oats: Seed combine drilled at 170 lb, 'Nitro-Chalk' applied: Mar 15, 1965. Sprayed with MCPA at 1.13 lb and dicamba at 0.08 lb in 40 gals: May 19. Combine harvested: Sept 10.

Spring beans: Seed placement drilled at 200 lb: Feb 18, 1965 (Rows spaced at 10.5 in). Sprayed with menazon (Saphicol at 0.5 pints in 40 gals): June 4. Combine harvested: Sept 29. Variety: Garton's Pedigree Tic.

- NOTES: (1) Yields were taken for winter and spring wheat only.
(2) Estimates of the incidence of take-all (*Ophiobolus graminis*) and eyespot (*Cercospora herpotrichoides*) were made on 8 occasions for winter and 4 for spring wheat.
(3) For previous years' results see 'Results' 63/C/10 and 64/C/9.

Standard errors per plot. Grain:
Winter wheat: 4.11 or 11.7% (4 d.f.)
Spring wheat: 0.95 or 3.0% (4 d.f.)

65/C/9.2

SUMMARY OF RESULTS

GRAIN

Crop	1963	W	O	Be	
	1964	W	W	O	Mean

WINTER WHEAT

34.8	31.8	38.9	35.1
(±2.05)	(±2.90)		

SPRING WHEAT

31.2	29.6	34.9	31.7
(±0.47)	(±0.67)		

Mean D.M.%: Winter wheat: 72.7
Spring wheat: 70.4