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Yields of the Field Experiments 1967

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67/R/AQ/C/5 Cereal Disease Reference Plots - Wheat

Rothamsted Research

Rothamsted Research (1968) *67/R/AQ/C/5 Cereal Disease Reference Plots - Wheat* ; Yields Of The Field Experiments 1967, pp 133 - 134 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/C/5.1

CEREAL DISEASE REFERENCE PLOTS

(AQ)

Pennells Piece 1967, the fifth year

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

The variety of oats is now Manod, and the variety of beans is now called Tarvin.

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

Cultivations, etc.: Sprayed with aminotriazole at 4 lb and ammonium thiocyanate at 3.7 lb in 40 gals: Sept 17, 1966. Ploughed: Oct 20.

Winter wheat: Seed combine drilled at 160 lb: Oct 27, 1966.

'Nitro-Chalk' applied: Mar 20. Sprayed with ioxynil/mecoprop (Actril C at 6 pints in 32 gals): Apr 27, 1967. Combine harvested: Aug 30.

Spring wheat: Seed combine drilled at 175 lb: Mar 4, 1967.

'Nitro-Chalk' applied: Mar 20. Sprayed with ioxynil/mecoprop (Actril C at 5 pints in 20 gals): May 12. Combine harvested: Aug 23.

Oats: Seed combine drilled at 160 lb: Mar 8, 1967. 'Nitro-

Chalk' applied: Mar 20. Sprayed with ioxynil/mecoprop (Actril C at 5 pints in 20 gals): May 12. Combine harvested: Aug 17.

Spring beans: Seed placement drilled at 200 lb: Mar 8, 1967.

Sprayed twice with demeton-s-methyl (Metasystox at 12 fluid oz in 37 gals, and by hand at 15 fluid oz in 37 gals): June 13, July 7. Combine harvested: Sept 1.

- NOTES: (1) Yields were taken for winter and spring wheat only. (Crop Sequences 2, 3, 4, and 6).
(2) Estimates were made throughout the growing season of the incidence of take-all (*Ophiobolus graminis*) and eyespot (*Cercospora herpotrichoides*).
(3) For previous years' results see 'Results' 63/C/10, 64/C/9, 65/C/9 and 66/C/7.

67/c/5.2

SUMMARY OF RESULTS

GRAIN

Crop	1963	1964	1965	1966	Mean
	W	W	Be	W	
	W	Be	O	W	
	Be	O	W	W	
	O	W	W	W	

WINTER WHEAT

49.7	45.7	36.6	37.0	42.3
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SPRING WHEAT

47.9	39.8	36.5	38.4	40.6
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Mean D.M. %: Winter wheat: 84.4
 Spring wheat: 81.8