

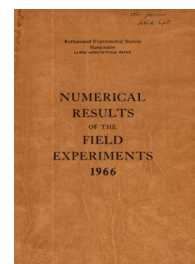
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1966

[Full Table of Content](#)



66/R/AO/C/6 Decline of Take-all - Winter Wheat

Rothamsted Research

Rothamsted Research (1967) *66/R/AO/C/6 Decline of Take-all - Winter Wheat ; Yields Of The Field Experiments 1966*, pp 139 - 140 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/C/7.1

CEREAL DISEASE REFERENCE PLOTS

(AQ)

Pennells Piece 1966, the fourth year

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

The varieties in 1966 were:-

Winter wheat: Cappelle

Spring wheat: Jufy I

Oats: Condor

Spring beans: Tick

These have remained unchanged since the beginning of the experiment.

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

Cultivations, etc.: Ploughed: Oct 16, 1965.

Winter wheat: Seed combine drilled at 160 lb: Nov 4. 'Nitro-Chalk' applied: Mar 10, 1966. Sprayed with ioxynil/MCPA (Actril A at 2 pints in 40 gals): Mar 29. Combine harvested: Aug 23.

Spring wheat: Seed combine drilled at 180 lb, 'Nitro-Chalk' applied: Mar 11, 1966. Sprayed with ioxynil/mecoprop (Actril C at 5 pints in 40 gals): May 10. Combine harvested: Sept 3.

Oats: Seed combine drilled at 160 lb: Mar 7, 1966. 'Nitro-Chalk' applied: Mar 10. Sprayed with ioxynil/mecoprop (Actril C at 5 pints in 40 gals): May 10. Combine harvested: Sept 3.

Spring beans: Seed placement drilled at 200 lb: Mar 8, 1966. (Rows spaced at 21 in). Sprayed with demeton-s-methyl (Metasystox at 12 fluid oz in 37 gals): June 14. Combine harvested: Sept 16.

- NOTES: (1) Yields were taken for winter and spring wheat only.
(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 and 65/C/9.

66/c/7.2

SUMMARY OF RESULTS

GRAIN

Crop	1963	1964	1965	W	Be	O	W	Mean
WINTER WHEAT								
				41.8	41.5	25.5	31.6	35.1
SPRING WHEAT								
				44.8	37.9	35.3	37.1	38.8

Mean D.M. %: Winter wheat: 83.3
 Spring wheat: 75.4