

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 1965

[Full Table of Content](#)



## 65/R/AO/C/7 Decline of Take-all - Winter Wheat

### Rothamsted Research

Rothamsted Research (1966) *65/R/AO/C/7 Decline of Take-all - Winter Wheat ; Yields Of The Field Experiments 1965*, pp 141 - 142 - DOI: <https://doi.org/10.23637/ERADOC-1-159>

65/C/7.1

DECLINE OF TAKE-ALL

(AO)

The effect of crop sequences on the decline of take-all  
(*Ophiobolus graminis*) - Great Field I 1965, the third year.

Design: 3 randomised blocks of 6 plots (5 of winter wheat,  
1 of oats), using the plots of Series III of the Cereal -  
Bean Rotations Experiment (see 'Results' 61/C/1).

Area of each plot: 0.0145. Area harvested: 0.0092.

Treatments: 6 crop sequences. For details see 'Results' 63/C/8.1.

Basal applications: Manures - as 1964. Weedkiller:  
Mecoprop/2,4-D (Methoxone Extra at 7 pints in 40 gals) to  
winter wheat.

Cultivations, etc.: Ploughed: Oct 23, 1964. Winter wheat drilled  
at 160 lb: Oct 27. 'Nitro-Chalk' applied to winter wheat:  
Mar 11, 1965. Oats drilled at 170 lb, 'Nitro-Chalk' applied  
to oats: Mar 15. Winter wheat sprayed: Apr 30. Combine  
harvested: Winter wheat - Aug 26, oats - Sept 10.

- NOTES: (1) Yields were taken for winter wheat only.  
(2) Estimates were made on 6 occasions of the incidence  
of take-all and on 2 occasions of the incidence of  
eyespot (*Cercospora herpotrichoides*).  
(3) For details of the previous years' results see  
'Results' 63/C/8 and 64/C/7.

Standard error per plot.  
Grain: 2.34 or 7.3% (8 d.f.)

65/c/7.2

SUMMARY OF RESULTS

WINTER WHEAT GRAIN

Crop in 1959	W	W	W	WS	O	
1960	W	O	O	W	W	
1961	WS	WS	Be	WS	WS	
1962	W	W	W	W	W	
1963	W	W	W	O	W	
1964	W	W	W	W	O	Mean
<hr/>						
	32.4	31.8	29.3	29.6	36.7	32.0
	(±1.35)					

Mean D.M.%: 79.6