

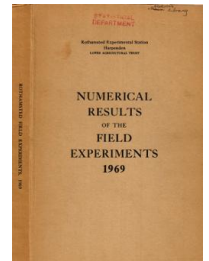
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



69/R/RN/9 - Cereal Disease Reference Plots - Beans, Oats & Wheat

Rothamsted Research

Rothamsted Research (1970) *69/R/RN/9 - Cereal Disease Reference Plots - Beans, Oats & Wheat ; Numerical Results Of The Field Experiments 1969*, pp 96 - 97 - **DOI:**

<https://doi.org/10.23637/ERADOC-1-96>

CEREAL DISEASE REFERENCE PLOTS

(69/R/RN/9)

Pennells Piece 1969, the seventh year

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

Area of each plot: 0.0180. Area harvested: 0.0116.

Varieties in 1969 were:-

Winter wheat: Cappelle
Spring wheat: Kolibri
Oats: Manod
Spring beans: Maris Bead.

Cultivations, etc.: Sprayed with paraquat at 0.75 lb ion in 20 gals: 10 Sept, 1968. Ploughed: 23 Sept.

Winter wheat: Seed combine drilled at 160 lb: 15 Oct, 1968. Sprayed with terbutryne and related triazines (Prebane at 4 lb in 25 gals): 18 Oct. 'Nitro-Chalk' applied: 9 Apr, 1969. Sprayed with ioxynil octanoate, bromoxynil octanoate and the iso-octylester of dichlorprop ('Oxytril P' at 1 pint in 20 gals): 1 May. Combine harvested: 29 Aug.

Spring wheat: Seed combine drilled at 180 lb: 2 Apr, 1969. 'Nitro-Chalk' applied: 9 Apr. Sprayed with ioxynil at 7.5 oz and mecoprop at 22.5 oz in 20 gals: 20 May. Combine harvested: 29 Aug.

Oats: Seed combine drilled at 160 lb: 26 Mar, 1969. 'Nitro-Chalk' applied: 9 Apr. Sprayed with ioxynil at 7.5 oz and mecoprop at 22.5 oz in 20 gals: 20 May. Combine harvested: 14 Aug.

Spring beans: Seed placement drilled at 200 lb: 24 Mar, 1969. Sprayed with demeton-s-methyl at 3.5 oz in 37 gals: 19 June. Combine harvested: 10 Sept.

- NOTES: (1) Yields were taken for winter and spring wheat only (Crop sequences 1, 2, 5 and 6).
(2) Estimates were made in spring and summer 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, 66/C/7, 67/C/5 and 68/C/5.

SUMMARY OF RESULTS

GRAIN: CWT

Crop in	C1	C2	C5	C6	
1963	W	W	O	W	
1964	W	W	W	W	
1965	W	BE	W	W	
1966	BE	O	W	W	
1967	O	W	BE	W	
1968	W	W	O	W	
					Mean

WINTER WHEAT

44.2	44.0	50.3	42.5	45.3
------	------	------	------	------

SPRING WHEAT

30.9	34.3	38.2	32.3	33.9
------	------	------	------	------

Mean D.M. %: Winter wheat: 81.5
 Spring wheat: 81.7