ROTHAMSTED RESEARCH

Numerical Results of the Field Experiments 1969

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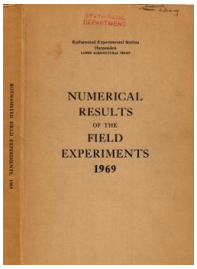

69/R/RN/9 - Cereal Disease Reference Plots - Beans, Oats & Wheat

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 (Cercosporella 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.

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SUMMARY OF RESULTS

GRAIN: CWT

Crop in	C1	C2	C5	C6	Mean
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	
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

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