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# Yields of the Field Experiments 1983

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## 83/R/WW/7 Nuarimol and Take-all - W. Wheat

### Rothamsted Research

Rothamsted Research (1984) *83/R/WW/7 Nuarimol and Take-all - W. Wheat* ; Yields Of The Field Experiments 1983, pp 234 - 235 - DOI: <https://doi.org/10.23637/ERADOC-1-44>

83/R/WW/7

WINTER WHEAT

NUARIMOL AND TAKE-ALL

Object: To study the effects of nuarimol applied to the soil on the incidence of take-all (*Gaeumannomyces graminis*) and on yield - Gt. Knott I.

Sponsor: G.L. Bateman.

Design: 5 randomised blocks of 4 plots.

Whole plot dimensions: 3.0 x 13.0.

Treatments:

NUARIMOL            Nuarimol fungicide (kg) rotary harrowed into the seedbed:

0.00

0.55

1.10

2.20

Basal applications: Manures: Chalk at 5.0 t. 'Nitro-Chalk' at 130 kg followed by 500 kg. Weedkillers: Paraquat at 0.70 kg ion in 250 l. Isoproturon at 2.1 kg with dicamba, mecoprop and MCPA (as 'Poly-Farmon' at 4.2 l) in 250 l. Fungicide: Propiconazole at 0.12 kg in 250 l.

Seed: Avalon, sown at 180 kg.

Cultivations, etc.: - Paraquat applied: 23 Aug, 1982. Ploughed: 31 Aug. Chalk applied: 16 Sept. First N applied: 20 Sept. Spring-tine cultivated: 23 Sept. Rotary harrowed, seed sown: 1 Oct. Isoproturon and 'Poly-Farmon' applied: 10 Mar, 1983. Second N applied: 15 Apr. Fungicide applied: 16 June. Combine harvested: 11 Aug. Previous crops: S. barley 1981, w. wheat 1982.

NOTE: Take-all and foot rots were assessed in early April, mid-May and mid-June.

83/R/WW/7

GRAIN TONNES/HECTARE

\*\*\*\*\* TABLES OF MEANS \*\*\*\*\*

NUARIMOL	0.00	0.55	1.10	2.20	MEAN
	7.50	7.91	9.00	8.03	8.11

\*\*\*\*\* STANDARD ERRORS OF DIFFERENCES OF MEANS \*\*\*\*\*

TABLE	NUARIMOL
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SED	0.489

\*\*\*\*\* STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION \*\*\*\*\*

STRATUM	DF	SE	CV%
BLOCK.WP	12	0.774	9.5

GRAIN MEAN DM% 87.1

PLOT AREA HARVESTED 0.00248