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Yields of the Field Experiments 1973

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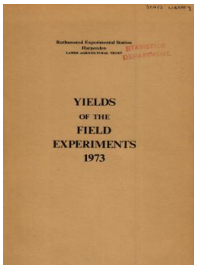

73/R/OW/1 - Sowing Dates, Aphids Bydv - Winter Oats

Rothamsted Research

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73/R/OW/1

WINTER OATS

SOWING DATES, APHIDS AND BYDV

Object: To study the effects on grain yield and incidence of cereal aphids and barley yellow dwarf virus (BYDV) of insecticides applied at various times to winter oats sown at a range of dates - White Horse I.

Sponsor: R.T. Plumb.

Design: 4 randomised blocks of 12 plots.

Whole plot dimensions: 6.40 x 24.4. Area harvested: 0.00390.

Treatments: All combinations of:-

1. Date of sowing:	DATE
Early, 25 September, 1972	Early
Middle, 26 October, 1972	Middle
Late, 23 November, 1972	Late
2. Phorate granules to seedbed (kg)	PHORATE
0	0
5	5
3. Menazon spray in May (1 'Saphi-Col)	MENAZON
0.0	0.0
0.7	0.7

Basal applications: Manures: 310 kg (0:20:20) combine drilled, 280 kg 'Nitro-Chalk'. Weedkiller: MCPA, mecoprop and dicamba ('Tetralex plus' at 7.0 l in 220 l).

Seed: Peniarth sown at 190 kg.

Cultivations, etc.:- Deep-tine cultivated: 15 Sept and 18 Sept, 1972. Spring-tine cultivated: 20 Sept. Phorate applied, plots to be sown power harrowed and seed sown: 25 Sept. Phorate applied, plots to be sown power harrowed and seed drilled: 26 Oct. Phorate applied, plots to be sown and power harrowed: 22 Nov. Seed sown: 23 Nov. N applied: 12 Apr, 1973. Weedkiller applied: 17 Apr. Menazon applied: 21 May.

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