

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 1980

[Full Table of Content](#)



## 80/R/WW/6 Winter Wheat Weedkillers and Pests

### Rothamsted Research

Rothamsted Research (1981) *80/R/WW/6 Winter Wheat Weedkillers and Pests* ; Yields Of The Field Experiments 1980, pp 236 - 237 - DOI: <https://doi.org/10.23637/ERADOC-1-31>

80/R/WW/6

WINTER WHEAT

WEEDKILLERS AND PESTS

Object: To study the effects of times of applying weedkillers on the incidence of pests and beneficial insects and on the yield of w. wheat - Stackyard.

Sponsors: W. Powell, R. Bardner, C.A. Edwards, G.J.W. Dean, A. Dewar, N. Wilding, J.R. Lofty, K.E. Fletcher, R.T. Plumb.

Design: 3 randomised blocks of 4 plots.

Whole plot dimensions: 19.2 x 19.2.

Treatments:

WEEDKLLR	Times of applying weedkillers:
NONE	None
AUTUMN	Chlortoluron at 5.6 l in 880 l on 2 Nov, 1979
SPRING	Isoproturon at 2.1 kg plus mecoprop at 2.5 l in 220 l on 29 Feb, 1980
AUT+SPNG	Chlortoluron plus isoproturon plus mecoprop at above rates and times

Basal applications: Manures: (10:23:23) at 250 kg, combine drilled. 'Nitro-Chalk' at 560 kg.

Seed: Flanders, not dressed insecticide, sown at 200 kg.

Cultivations, etc.: - Ploughed: 13 Sept, 1979. Rotary harrowed: 4 Oct. Seed sown: 6 Oct. N applied: 8 Apr, 1980. Combine harvested: 20 Aug. Previous crops: S. oats 1978, w. wheat 1979.

NOTE: Ground surface insects were counted weekly between April and August and aerial insects between May and July. Soil insects were counted in June. Aphid numbers and infection with *Entomophthora* were assessed in June and July. Weed species were identified and counted and percentage ground cover was assessed.

80/R/WW/6

GRAIN TONNES/HECTARE

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

WEEDKLLR	NONE	AUTUMN	SPRING	AUT+SPNG	MEAN
	7.42	8.07	8.23	8.25	8.00

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

TABLE	WEEDKLLR
-----	-----
SED	0.219

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

STRATUM	DF	SE	CV%
BLOCK.WP	6	0.268	3.3

GRAIN MEAN DM% 84.2

PLOT AREA HARVESTED 0.00410