

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 1981

[Full Table of Content](#)



## 81/R/WW/5 Direct Drilling and Slug Control - W. Wheat

### Rothamsted Research

Rothamsted Research (1982) *81/R/WW/5 Direct Drilling and Slug Control - W. Wheat* ; Yields Of The Field Experiments 1981, pp 253 - 254 - DOI: <https://doi.org/10.23637/ERADOC-1-35>

81/R/WW/5

WINTER WHEAT

DIRECT DRILLING AND SLUG CONTROL

Object: To study the effects of a range of materials and methods of application on the control of slugs and on the yield of direct-drilled w. wheat - Pastures.

Sponsors: G.C. Scott, D.C. Griffiths.

Design: 4 randomised blocks of 9 plots.

Whole plot dimensions: 5.63 x 7.62.

Treatments:

TREATMNT	Materials, methods and rates of application:
NONE	None
109 SD	'M&B 10903' seed dressing (0.2 % weight of seed)
329 SD	'SAN 329' seed dressing (0.2 % weight of seed)
CART SD	Cartap seed dressing (0.2 % weight of seed)
METH SD	Methiocarb seed dressing (0.2 % weight of seed)
METH MIX	Methiocarb at 5.5 kg mixed with seed
METH BCE	Methiocarb at 5.5 kg broadcast 15 Oct before drilling
METH BCL	Methiocarb at 5.5 kg broadcast 5 Nov after drilling
META BCE	Metalddehyde at 7.8 kg broadcast 15 Oct before drilling

Basal applications: Manures: 'Nitro-Chalk' at 560 kg. Weedkillers: Dicamba with mecoprop and MCPA (as 'Banlene Plus' at 5.0 l) in 250 l. Isoproturon at 2.1 l and mecoprop at 3.2 l in 250 l. Fungicides: Prochloraz at 0.4 l with maneb at 1.2 kg and zineb at 0.13 kg in 250 l.

Seed: Flanders, sown at 200 kg.

Cultivations, etc.: - 'Banlene Plus' applied: 13 Oct, 1980. Disc harrowed: 24 Oct. Seed sown: 1 Nov. N applied: 14 Apr, 1981. Isoproturon and mecoprop applied: 22 Apr. Fungicides applied: 19 June. Combine harvested: 26 Aug. Previous crops: Clover 1979 and 1980.

NOTE: Slugs were counted three times, and plants were assessed for slug damage twice between late October and early January.

81/R/WW/5

GRAIN TONNES/HECTARE

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

TREATMNT	
NONE	8.02
109 SD	7.79
329 SD	7.88
CART SD	7.68
METH SD	8.20
METH MIX	8.05
METH BCE	7.80
METH BCL	7.89
META BCE	8.07
MEAN	7.93

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

TABLE	TREATMNT
-----	-----
SED	0.225

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

STRATUM	DF	SE	CV%
BLOCK.WP	24	0.318	4.0
GRAIN MEAN DM%	82.9		
PLOT AREA HARVESTED	0.00213		