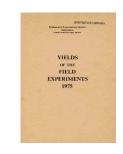
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# Yields of the Field Experiments 1975



Full Table of Content

# 75/ R/WW/7 - Insecticides & Bulb Fly - Winter Wheat

### **Rothamsted Research**

Rothamsted Research (1976) 75/ R/WW/7 - Insecticides & Bulb Fly - Winter Wheat; Yields Of The Field Experiments 1975, pp 301 - 302 - DOI: https://doi.org/10.23637/ERADOC-1-141

## 75/R/WW/7

#### WINTER WHEAT

#### INSECTICIDES AND BULB FLY

Object: To study the effects of different insecticidal seed dressings on attack by wheat bulb fly (Leptohylemyia coarctata) and yield of winter wheat - Fosters West.

Sponsor: D.C. Griffiths.

Design: 4 randomised blocks of 8 plots.

Whole plot dimensions: 2.41 x 9.14.

Treatments:	1. Insecticides (% a.i. t	o wt. of seed):-	INSCICDE
	None		NONE
	Chlorfenvinphos	0.2	CHLORFEN
	Fonofos	0.2	FONOFOS
	Isophenphos	0.2	ISOPH 2
	Isophenphos	0.5	ISOPH 5
	Permethrin (NRDC 143)	0.2	PERMETHR
	Pirimiphos ethyl	0.2	PIRIMIPH
	Triazophos	0.2	TRIAZOPH

Basal applications: Manures: 'Nitro-Chalk' at 410 kg. Weedkiller: Ioxynil with mecoprop ('Actril C' at 7.0 l in 220 l).

Seed: Maris Templar, sown at 180 kg.

Cultivations, etc.:- Rotary harrowed: 5 Dec, 1974. Seed sown: 10 Dec. N applied: 25 Apr, 1975. Weedkiller applied: 19 May. Combine harvested: 15 Aug. Previous crops: Barley 1973, fallow 1974.

NOTE: Amounts of insecticides on seed were determined. Plant emergence counts were made in January and samples were taken in March for determination of number of damaged shoots and percentage with live wheat bulb fly larvae.

```
75/R/WW/7
*** TABLES OF MEANS ***
GRAIN TONNES/HECTARE
INSCICDE
             4.62
   NONE
             5.88
CHLORFEN
             5.74
6.10
 FONOFOS
 ISOPH 2
            5.58
 ISOPH 5
PERMETHR
             5.99
             5.52
PIRIMIPH
TRIAZOPH
             5.32
   MEAN
            5.59
*** STANDARD ERRORS OF DIFFERENCES OF MEANS ***
TABLE
                   INSCICDE
               0.395
*** STRATUM STANDARD ERRORS AND COEFFICIENTS OF VARIATION ***
STRATUM
                         DF
                                                CV%
                                       SE
BLOCK.WP
                         21
                             0.559
                                                10.0
```

GRAIN MEAN DM% 86.5

PLOT AREA HARVESTED 0.00151