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 readible, or you suspect there are some problems, please let us know and we will correct that.



Yields of the Field Experiments 1978



Full Table of Content

78/R/WW/7 Sowing Dates and Insecticides - W. Wheat

Rothamsted Research

Rothamsted Research (1979) 78/R/WW/7 Sowing Dates and Insecticides - W. Wheat; Yields Of The Field Experiments 1978, pp 359 - 360 - DOI: https://doi.org/10.23637/ERADOC-1-30

78/R/WW/7

WINTER WHEAT

SOWING DATES AND INSECTICIDES

Object: To study the effects of dates of sowing and times of applying insecticides on the incidence of cereal aphids, barley yellow dwarf virus (BYDV) and on the yield of winter wheat - Claycroft.

Sponsor: R.T. Plumb.

Design: 3 randomised blocks of 12 plots.

Whole plot dimensions: 6.40 x 18.3.

Treatments: All combinations of:-

1. SOW DATE Dates of sowing:

6 OCT 6 October, 1977 4 NOV 4 November 25 NOV 25 November

2. INSCTCDE(1) Phorate granules to seedbed:

NONE None

PHORATE Phorate at 5 kg

3. INSCTCDE(2) Menazon spray:

NONE None

MENAZON Menazon (0.7 1 'Saphi-Col' in 220 1 on 7 July, 1978)

Basal applications: Manures: (0:20:20) at 310 kg, combine drilled, 'Nitra-Shell 34' at 350 kg. Weedkillers: Dicamba plus mecoprop and MCPA ('Banlene Plus' at 4.9 l in 220 l).

Seed: Flanders, sown at 190 kg.

Cultivations, etc.:- Ploughed: 4 Oct, 1977. Rotary harrowed all plots, treatments applied to SOW DATE 6 OCT and these plots only rotary harrowed 5 Oct and sown: 6 Oct. Treatments applied to SOW DATE 4 NOV and these plots only power harrowed and sown: 4 Nov. Treatments applied to SOW DATE 25 NOV and these plots only rotary harrowed and sown: 25 Nov. N applied: 8 May, 1978. Weedkillers applied: 9 May. Combine harvested: 13 Sept. Previous crops: Fallow 1976, beans 1977.

NOTE: Plant emergence, aphid and virus counts were made during the season, tiller counts before harvest and grains per ear at harvest.

78/R/WW/7

GRAIN TONNES/HECTARE

****	TABLES	OF	MEANS	****

INSCTCDE(1) SOW DATE	NONE P	HORATE	MEAN	
6 OCT	6.94	7.65	7.29	
4 NOV	7.66	7.91	7.79	
25 NOV	6.53	6.55	6.54	
MEAN	7.04	7.37	7.21	
INSCTCDE(2)	NONE MI	CNA ZON	MEAN	
SOW DATE	NONE MI	ENAZON	MEAN	
6 OCT	7.41	7.17	7.29	
4 NOV	7.54	8.03	7.79	
25 NOV	6.60	6.49	6.54	
MEAN	7.19	7.23	7.21	
THEOMODE				
INSCTCDE(2) INSCTCDE(1)	NONE ME	ENAZON	MEAN	
NONE	6 00	7.10	7 01	
PHORATE	7.39	7.36	7.04	
MONNIE	1.33	1.30	7.37	
MEAN	7.19	7.23	7.21	
INSCTCDE(1)	NONE		PHORATE	
INSCTCDE(2)	NONE	MENAZON	NONE	MENAZON
SOW DATE		· · · · · · · · · · · · · · · · · · ·	NONE	MENAZON
6 OCT	7.04	6.83	7.79	7.51
4 NOV	7.29			8.03
25 NOV	6.63	6.44	6.57	6.54

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

TABLE	SOW DATE	INSCTCDE(1)	INSCTCDE(2)	SOW DATE INSCTCDE(1)
SED	0.221	0.180	0.180	0.312
TABLE	SOW DATE INSCTCDE(2)	INSCTCDE(1) INSCTCDE(2)	SOW DATE INSCTCDE(1) INSCTCDE(2)	
SED	0.312	0.255	0.441	

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

STRATUM	DF	SE	CV%
BLOCK.WP	22	0.540	7.5

GRAIN MEAN DM% 84.5

PLOT AREA HARVESTED 0.00260