This work is licensed under a Creative Commons Attribution 4.0 International License.

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 1983

Full Table of Content

83/R/BE/5 Seed Dressings - W. Beans

Rothamsted Research

Rothamsted Research (1984) *83/R/BE/5 Seed Dressings - W. Beans ;* Yields Of The Field Experiments 1983, pp 280 - 281 **- DOI: https://doi.org/10.23637/ERADOC-1-44**

This work is licensed under a Creative Commons Attribution 4.0 International License.

83/R/BE/5

WINTER BEANS

SEED DRESSINGS

Object: To study the effects of benomyl and thiram seed dressings on establishment, disease control and yield of w. beans - Stackyard.

Sponsors: A. Bainbridge, D.C. Griffiths, J. McEwen, D.P. Yeoman.

Design: 4 randomised blocks of 4 plots.

Whole plot dimensions: 5.33 x 9.14.

Treatments: All combinations of:-

1. SEEDRESS(1) Seed dressing:

NONE	None
BENOMYL	Benomyl at 0.8 g per kg seed

2. SEEDRESS(2) Seed dressing:

NONE	None
THIRAM	Thiram (as 'Thiram 80' at 1.0 g per kg seed)

Basal applications: Weedkiller: Simazine at 1.2 l in 250 l. Fungicide: Benomyl at 0.56 kg in 250 l on two occasions, with pirimicarb on the second. Insecticides: Permethrin at 0.15 kg in 340 l on two occasions. Pirimicarb at 0.14 kg.

Seed: Throws MS, sown at 230 kg.

Cultivations, etc.:- Ploughed: 26 Aug, 1982. Rotary harrowed, seed not dressed with benomyl sown: 23 Sept. Remaining seed sown: 24 Sept. Weedkiller applied: 16 Oct. Permethrin applied: 4 May, 20 May, 1983. Benomyl applied: 26 May. Benomyl with pirimicarb applied: 23 June. Combine harvested: 12 Aug. Previous crops: W. wheat 1981 and 1982.

NOTE: Emergence counts were made in December, 1982. Disease assessments were made on three occasions during the season. Spores were sampled from May.

https://doi.org/10.23637/ERADOC-1-44

This work is licensed under a Creative Commons Attribution 4.0 International License.

83/R/BE/5

GRAIN TONNES/HECTARE

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

SEEDRESS(2)	NONE	THIRAM	MEAN
SEEDRESS(1)			
NONE	4.29	4.19	4.24
BENOMYL	4.37	4.45	4.41
MEAN	4.33	4.32	4.32

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

TABLE	SEEDRESS(1)	SEEDRESS(2)	SEEDRESS(1) SEEDRESS(2)
SED	0.064	0.064	0.090

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

STRATUM	DF	SE	CV%
BLOCK.WP	9	0.128	3.0

GRAIN MEAN DM% 86.4

PLOT AREA HARVESTED 0.00293

https://doi.org/10.23637/ERADOC-1-44