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Yields of the Field Experiments 1984

Full Table of Content

84/R/RA/8 Mustard Oil - W. Oilseed Rape

Rothamsted Research

Rothamsted Research (1985) *84/R/RA/8 Mustard Oil - W. Oilseed Rape ;* Yields Of The Field Experiments 1984, pp 320 - 321 **- DOI: https://doi.org/10.23637/ERADOC-1-32**

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84/R/RA/8

WINTER OILSEED RAPE

MUSTARD OIL

Object: To study the effects of carbendazim, prochloraz and a synthetic mustard oil formulation on fungal diseases and yield of w. oilseed rape - Whittlocks.

Sponsors: C.J. Rawlinson, G.R. Cayley, J.A. Pickett.

Design: 8 randomised blocks of 4 plots.

Whole plot dimensions: 2.0 x 6.0.

Treatments:

FUNGCIDE	Fungicides:
NONE	None
MSTD OIL	Mustard oil at 0.25 kg
PROCHLOR	Prochloraz at 0.40 kg
PROC+CAR	Prochloraz at 0.40 kg plus carbendazim at 0.15 kg

NOTES: (1) Treatment sprays were applied to four blocks on 4 Apr, 1984 to the other four on 13 Apr.
(2) Treatments were applied by electrostatic sprayer in 9.3 l water.

Basal applications: Manures: 'Nitro-Chalk' at 220 kg on the first occasion, and at 460 kg on the second and third occasions. Weedkillers: TCA at 11 kg in 250 l. Propyzamide and 3, 6-dichloropicolinic acid (as 'Matrikerb' at 1.63 kg) in 500 l. Desiccant: Diquat at 0.60 kg ion with 'Agral', a wetting agent, at 0.5 l, in 500 l.

Seed: Jet Neuf, seed dressed gamma HCH, thiram, fenpropimorph and iprodione, sown at 9 kg.

Cultivations, etc.:- Disced: 17 Aug, 1983. N applied: 22 Aug. TCA applied: 23 Aug. Spring-tine cultivated: 24 Aug. Seed direct drilled: 25 Aug. 'Matrikerb' applied: 25 Oct. N applied: 15 Feb, 1984. N applied: 5 Apr. Desiccant applied: 25 July. Combine harvested: 31 July. Previous crops: W. wheat 1982, w. barley 1983.

NOTE: Disease incidence and severity, to all parts of the plant, was assessed fortnightly from April to July.

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84/R/RA/8

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

FUNGCIDE	NONE	MSTD OIL	PROCHLOR	PROC+CAR	MEAN
	4.56	4.63	4.59	4.65	4.61

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

TABLE	FUNGCIDE
SED	0.161

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

STRATUM	DF	SE	CV%
BLOCK.WP	21	0.321	7.0

GRAIN MEAN DM% 83.7

PLOT AREA HARVESTED 0.00120

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