

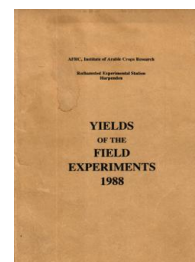
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Yields of the Field Experiments 1988

[Full Table of Content](#)



88/R/SU/3 Fungicides and Botrytis - Sunflowers

Rothamsted Research

Rothamsted Research (1989) *88/R/SU/3 Fungicides and Botrytis - Sunflowers* ; Yields Of The Field Experiments 1988, pp 244 - 245 - DOI: <https://doi.org/10.23637/ERADOC-1-43>

88/R/SU/3

SUNFLOWERS

FUNGICIDES AND BOTRYTIS

Object: To study the effects of four rates of fungicides on the control of Botrytis head infection and on the yield of sunflowers - Fosters Corner.

Sponsors: C.J. Rawlinson, V.J. Church, R.A. Gutteridge.

Design: 4 randomised blocks of 5 plots.

Whole plot dimensions: 2.5 x 8.0.

Treatments:

FUNGRATE Rates of fungicides, per application:

0	None (duplicated)
1	Carbendazim at 0.25 kg plus vinclozolin at 0.5 kg
2	Carbendazim at 0.50 kg plus vinclozolin at 1.0 kg
3	Carbendazim at 0.75 kg plus vinclozolin at 1.5 kg

NOTE: Fungicides were applied on 7, 15, 26 July, 1988, 3 and 15 Aug.

Basal applications: Manures: (10:10:15+4.5 Mg) at 600 kg. Weedkillers: Glyphosate at 1.4 kg in 200 l. Trifluralin at 1.1 kg in 220 l. Linuron at 0.50 kg in 220 l. Desiccant: Diquat at 0.60 kg ion in 220 l.

Seed: S47, sown at 120,000 seeds per hectare.

Cultivations, etc.:- Glyphosate applied: 17 Nov, 1987. Ploughed: 8 Dec. Manures applied: 11 Mar, 1988. Spring-tine cultivated: 5 Apr. Trifluralin applied, spring-tine cultivated, rotary harrowed, seed sown: 6 Apr. Rolled: 7 Apr. Linuron applied: 11 Apr. Desiccant applied: 5 Sept. Combine harvested: 6 Sept. Previous crops: S. Oats 1986, w. wheat 1987.

NOTES: (1) The plots were covered by a bird-proof net from mid-April to maturity.
(2) Botrytis was assessed on three occasions.

88/R/SU/3

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

***** Tables of means *****

FUNGRATE	0	1	2	3	Mean
	0.99	1.23	1.19	1.21	1.12

*** Standard errors of differences of means ***

FUNGRATE

0.086 min.rep

0.075 max-min

FUNGRATE

max-min 0 v any of remainder

min.rep any of remainder

***** Stratum standard errors and coefficients of variation *****

Stratum	d.f.	s.e.	cv%
BLOCK.WP	13	0.122	10.9

GRAIN MEAN DM% 83.7

PLOT AREA HARVESTED 0.00120