

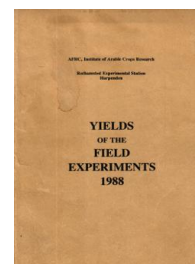
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1988

[Full Table of Content](#)



---

### 88/R/SU/2 Seed Rates - Sunflowers

#### Rothamsted Research

Rothamsted Research (1989) *88/R/SU/2 Seed Rates - Sunflowers* ; Yields Of The Field Experiments 1988, pp 242 - 243 - DOI: <https://doi.org/10.23637/ERADOC-1-43>

88/R/SU/2

SUNFLOWERS

SEED RATES

**Object:** To test the effects of five seed rates on plant growth, disease and yield - 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:**

**SEEDRATE**      Seed rate (no. seeds sown per square metre):

6  
8  
10  
12  
14

**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 0.40 kg ion in 220 l on two occasions.

**Seed:** HA 701.

**Cultivations, etc.:-** Glyphosate applied: 17 Nov, 1987. Ploughed: 8 Dec. Manures applied: 11 Mar, 1988. Trifluralin applied, spring-tine cultivated, rotary harrowed, seed sown: 6 Apr. Rolled: 7 Apr. Linuron applied: 11 Apr. Desiccant applied twice: 14 Sept. Combine harvested: 22 Sept. Previous crops: S. oats 1986, w. wheat 1987.

**NOTE:** The plots were covered by a bird-proof net from mid-April to maturity. Crop heights were measured at anthesis and maturity. Flower head angles and diameters were measured at maturity. Botrytis was assessed on three occasions.

88/R/SU/2

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

<b>SEEDRATE</b>	6	8	10	12	14	Mean
	1.99	1.99	2.30	2.16	2.39	2.16

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

**SEEDRATE**  
0.121

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	12	0.171	7.9
GRAIN MEAN DM%	64.6		
PLOT AREA HARVESTED	0.00120		