

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 1987

[Full Table of Content](#)

ARC, Institute of Arable Crops Research  
Rothamsted Experimental Station  
Harpenden  
Herts  
SG8 5AA  
UK  
The copyright in this document is owned by the Rothamsted Research Ltd  
and is a part of the Rothamsted Research Archives. It is made available  
under a Creative Commons Attribution 4.0 International License. For more  
information, please visit <https://creativecommons.org/licenses/by/4.0/>  
Printed: 2018-08-08  
Rothamsted 2018

## 87/R/SU/7 Sowing Dates - Sunflowers

### Rothamsted Research

Rothamsted Research (1988) *87/R/SU/7 Sowing Dates - Sunflowers* ; Yields Of The Field Experiments 1987, pp 247 - 248 - DOI: <https://doi.org/10.23637/ERADOC-1-37>

87/R/SU/7

SUNFLOWERS

SOWING DATES

Object: To study the effects of sowing dates on the rates of vegetative and floral development, seed growth, dates of maturity and yield of sunflowers - Garden Plot X.

Sponsor: G.F.J. Milford.

Design: 2 randomised blocks of 6 plots.

Whole plot dimensions: 2.5 x 3.0.

Treatments:

SOWDATE	Sowing dates:
18 MAR	18 March, 1987
2 APR	2 April
15 APR	15 April
6 MAY	6 May
19 MAY	19 May
3 JUNE	3 June

NOTE: Yields were not taken for SOWDATE 3 JUNE.

Basal applications: Manures: 'Nitro-Chalk' at 255 kg. Weedkillers: Trifluralin at 1.1 kg in 220 l. Linuron at 0.50 kg in 220 l.

Seed: Asmer 3 sown at 260,000 seeds per hectare and thinned to 86,000 plants per hectare.

Cultivations, etc.: - Ploughed: 16 Dec, 1986. N and trifluralin applied, rotary cultivated: 16 Mar, 1987. Linuron applied to each successive sowing date: 19 Mar, 6 Apr, 15 Apr, 6 May, 19 May, 3 June. First two sowings harvested by hand: 7 Oct. Remaining sowings harvested by hand: 13 Oct. Previous crops: Lupins 1985, s. barley 1986.

NOTES: (1) Phenological development was monitored during the season.  
(2) Dry matters of stems and heads, heights, head diameter and oil content were measured at harvest.

87/R/SU/7

GRAIN (AT 90% DRY MATTER) TONNES/HECTARE

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

SOWDATE	18 MAR	2 APR	15 APR	6 MAY	19 MAY	Mean
	1.45	1.70	1.26	2.39	2.26	1.81

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

Table	SOWDATE
s.e.d.	0.277

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	4	0.277	15.2

GRAIN MEAN DM% NOT RECORDED

PLOT AREA HARVESTED 0.00030