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Yields of the Field Experiments 1987

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87/R/SU/7 Sowing Dates - Sunflowers

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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