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Yields of the Field Experiments 1977

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77/R/PE/3 Effects of N - Peas

Rothamsted Research

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77/R/PE/3

PEAS

EFFECTS OF N

Object: To study the effects of small dressings of nitrogen fertiliser on the yield of leafless peas - Fosters 0 & EI.

Sponsor: J. McEwen.

Design: 3 randomised blocks of 6 plots.

Whole plot dimensions: 4.19 x 6.10.

Treatments:

N	Nitrogen fertiliser (kg N):
0	0 (2 plots per block)
25 S	25 to seedbed (25 Apr, 1977)
50 S	50 to seedbed (25 Apr)
25 F	25 at flowering (1 July)
50 F	50 at flowering (1 July)

Basal applications: Manures: (0:14:28) at 500 kg. Weedkillers: Trietazine with simazine ('Rental' at 2.2 lb in 340 l).

Seed: BS4, dressed thiram, sown at 224 kg.

Cultivations, etc.: - Ploughed: 12 Nov, 1976. PK applied: 10 Mar, 1977. Power harrowed and seed sown: 12 Apr. Weedkillers applied: 15 Apr. Harvested by hand: 29 Aug. Previous crops: Barley 1975, 1976.

77/R/PE/3

GRAIN TONNES/HECTARE

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

N	0	25 S	50 S	25 F	50 F	MEAN
	3.31	3.32	3.66	3.32	3.40	3.39

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

TABLE	N	
-----	-----	-----
SED	0.232	MIN REP
	0.201	MAX-MIN

MAX-MIN O V ANY OF REMAINDER
 MIN REP ANY OF REMAINDER

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

STRATUM	DF	SE	CV%
BLOCK.WP	11	0.284	8.4

GRAIN MEAN DM% 75.9

STRAW TONNES/HECTARE

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

N	0	25 S	50 S	25 F	50 F	MEAN
	2.94	3.65	3.23	3.04	2.92	3.12

STRAW MEAN DM% 87.3

PLOT AREA HARVESTED 0.00101