

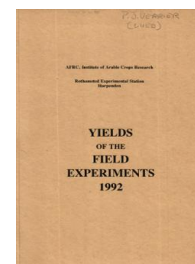
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## Yields of the Field Experiments 1992

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### 92/R/PE/2 Spring Pea Breeders Lines - Peas

#### Rothamsted Research

Rothamsted Research (1993) *92/R/PE/2 Spring Pea Breeders Lines - Peas* ; Yields Of The Field Experiments 1992, pp 161 - 162 - DOI: <https://doi.org/10.23637/ERADOC-1-47>

92/R/PE/2

PEAS

**BREEDER'S LINES**

**Object:** To evaluate the protein content and yield of new pea lines - Long Hoos VI/VII 5.

**Sponsors:** G.F.J. Milford, J.M. Day.

**Design:** 3 randomised blocks of 13 plots.

**Whole plot dimensions:** 2.0 x 10.0.

**Treatments:**

**LINE** Code number of breeder's line:

42-5  
30-4  
30-5  
53-16  
53-17  
53-18  
53-19  
53-20  
53-21  
53-22  
53-23  
53-24  
53-25

**Experimental diary:**

16-Mar-92 : B : Deep tine cultivated.  
09-Apr-92 : B : Heavy spring-tine cultivated.  
          : B : Rotary harrowed.  
10-Apr-92 : B : Drilled at 320 kg, rolled.  
03-Jun-92 : B : Fortrol at 2.0 l and Trifolex-Tra at 2.0 l in 200 l.  
22-Jun-92 : B : Chiltern Chlorothalonil 500 at 3.0 l and Aphox at  
          0.28 kg in 260 l.  
29-Jul-92 : T : **LINE** 30-4: Cut and threshed.  
31-Jul-92 : T : **LINE** 53-20, 53-24, 53-25: Cut and threshed.  
03-Aug-92 : T : **LINE** 30-5, 53-16, 53-17, 53-22: Cut and threshed.  
05-Aug-92 : T : **LINE** 42-5, 53-19, 53-21: Cut and threshed.  
10-Aug-92 : T : **LINE** 53-23: Cut and threshed.

**NOTES:** (1) Experiment was preceded by w. lupins, which were sown in autumn 1991 and subsequently failed.  
(2) Each line was cut by hand and threshed by stationary combine harvester.  
(3) With the following lines one of the three plots was cut and threshed on a different day: **LINE** 42-5 and 53-21 on 3 Aug and 53-19 on 10 Aug.  
(4) **LINE** 53-18 one plot cut and threshed on 3 Aug, one on 5 Aug, one plot not cut.

92/R/PE/2

Previous crops: W. lupins 1990, s. wheat 1991.

**GRAIN TONNES/HECTARE**

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

<b>LINE</b>	
42-5	4.87
30-4	4.41
30-5	5.20
53-16	5.13
53-17	4.94
53-18	5.23
53-19	3.99
53-20	4.61
53-21	4.18
53-22	4.67
53-23	3.92
53-24	4.55
53-25	4.81
Mean	4.66

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

**LINE**  
0.382

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

Stratum	d.f.	s.e.	cv%
BLOCK.WP	24	0.467	10.0
GRAIN MEAN DM%	88.0		
PLOT AREA HARVESTED	0.00194		