

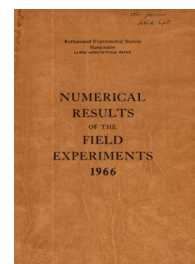
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Yields of the Field Experiments 1966

[Full Table of Content](#)



---

### 66/R/RBE101/DC/1 Spring Beans - Irrigation and Row Spacing

#### Rothamsted Research

Rothamsted Research (1967) *66/R/RBE101/DC/1 Spring Beans - Irrigation and Row Spacing ; Yields Of The Field Experiments 1966*, pp 271 - 272 - DOI: <https://doi.org/10.23637/ERADOC-1-158>

66/Dc/1.1

SPRING BEANS

(FBe 101)

Row spacing, seed rates, methods of fertiliser application and irrigation - Long Hoos IV 1966.

Design: A single replicate of 4 x 2 x 2 x 2 x 2 in 8 blocks of 8 plots. Irrigation on one group of 4 blocks.

Area of each plot: 0.0172. Area harvested: 0.0110.

Treatments: All combinations of:-

- Groups of blocks: 1. Irrigation: None (O), 1 in. of water (I).  
Plots: 2. Row spacing: 10.5 ins (C), 21 ins (W).  
3. Seed rates: 200 lb (L), 300 lb (H).  
4. Fertiliser forms and rates: 400 (F1), 560 (F2), compound (0:20:20), 500 (N1), 700 (N2) (6:15:15).  
5. Methods of fertiliser application: Broadcast (B), placed (P).

Basal applications: Ground chalk at 27 cwt. Weedkiller: Simazine at 1 lb in 40 gals. Insecticide: Demeton-s-methyl (Metasystox at 12 fluid oz in 37 gals).

Cultivations, etc.: Ploughed: Oct 15, 1965. Ground chalk applied: Nov 4. Seed drilled, fertilisers applied: Feb 18, 1966. Simazine applied: Mar 4. Irrigated: June 7. Combine harvested: Sept 14. Variety: Spring Tick. Previous crops: Potatoes 1964, winter and spring wheat 1965.

Standard error per plot.

Grain: 2.94 or 7.2% (13 d.f.)

66/Dc/1.2

SUMMARY OF RESULTS

GRAIN

	F1	F2	N1	N2	Mean
Mean	40.4	40.5 ( $\pm 0.73$ )	41.1	40.4	40.6
O	40.3	41.6 ( $\pm 1.04$ )*	41.0	39.8	40.7
I	40.5	39.4	41.2	41.1	40.5
C	40.6	40.6 ( $\pm 1.04$ )	40.7	40.3	40.6 ( $\pm 0.52$ )
W	40.2	40.4	41.5	40.6	40.7
L	39.5	39.9 ( $\pm 1.04$ )	40.8	40.0	40.1 ( $\pm 0.52$ )
H	41.3	41.0	41.4	40.9	41.1
B	40.0	40.5 ( $\pm 1.04$ )	41.7	40.4	40.6 ( $\pm 0.52$ )
P	40.9	40.5	40.6	40.5	40.6

	C	W	L	H	B	P
O	( $\pm 0.73$ )*		( $\pm 0.73$ )*		( $\pm 0.73$ )*	
I	40.3	41.1	39.9	41.4	40.9	40.4
	40.8	40.2	40.2	40.9	40.3	40.7
C			( $\pm 0.73$ )		( $\pm 0.73$ )	
W			40.7	40.4	40.5	40.6
			39.4	41.9	40.7	40.6
L					( $\pm 0.73$ )	
H					39.7	40.5
					41.6	40.7

Mean D.M. %: 75.4

\* For use in horizontal and interaction comparisons only.