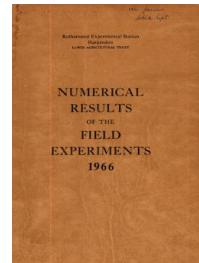


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Yields of the Field Experiments 1966

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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

(RBe 101)

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

Design: A single replicate of $4 \times 2 \times 2 \times 2 \times 2$ 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 (0), 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	41.1	40.4	40.6
O	40.3	41.6	41.0	39.8	40.7
I	40.5	39.4	41.2	41.1	40.5
C	40.6	40.6	40.7	40.3	(±0.52) 40.6
W	40.2	40.4	41.5	40.6	40.7
L	39.5	39.9	40.8	40.0	(±0.52) 40.1
H	41.3	41.0	41.4	40.9	41.1
B	40.0	40.5	41.7	40.4	(±0.52) 40.6
P	40.9	40.5	40.6	40.5	40.6
	C	W	L	H	B P
O	(±0.73)* 40.3	41.1	(±0.73)* 39.9	41.4	(±0.73)* 40.9 40.4
I	40.8	40.2	40.2	40.9	40.3 40.7
C			(±0.73) 40.7	40.4	(±0.73) 40.5 40.6
W			39.4	41.9	40.7 40.6
L					(±0.73) 39.7 40.5
H					41.6 40.7

Mean D.M. %: 75.4

* For use in horizontal and interaction comparisons only.