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ROTHAMSTED RESEARCH

Yields of the Field Experiments 1949

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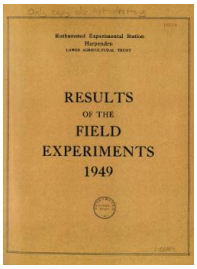

49/CC/2 Spring Beans - Variety Trial

49/CC/2 Spring Beans - Variety Trial, Rothamsted Research (1950) Yields Of The Field Experiments 1949, pp 77 - 78

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49/Cc/2.1

SPRING BEANS

The comparison of nine varieties of spring beans sown at three rates.

RE - Long Hoos V 1949

System of replication: 3 x 3 x 3 cubic lattice.

Area of each plot: 0.00775 acres.

Treatments:
9 varieties at 3 seed rates as under:

	Seed rates: cwt per acre		
Varieties	1	2	3
Dutch Pigeon	0.75	1.2	1.6
Dutch Horse	1.6	2.5	3.3
Dutch Broad	2.5	3.9	5.3
Dutch Sheep	1.7	2.7	3.7
Ben 33 Essex Strain	1.4	2.2	3.0
Ben 35 English Green	1.6	2.5	3.4
Ben 39 (Ex. N.I.A.B.)	1.4	2.2	3.0
Tic.	1.0	1.6	2.2
Scotch Mazagan	1.8	2.9	4.0

These three seed rates are the equivalent of about 90, 140 and 190 thousand seeds per acre.

Basal Manuring: 2 cwt nitrate of soda per acre.
3 cwt super per acre.
2 cwt muriate of potash per acre.

Cultivations etc.: Ploughed: Sept 24 and again Dec 28. Springtine harrowed: Feb 26. Basal fertilizer drilled: Mar 9. Beans ploughed in: Mar 10-12. Harrowed in: Mar 21. Ring rolled: Mar 31. Hood: May 11, 12, June 1, 3-9. Sprayed with nicotine: June 22 and again July 11. Harvested: Aug 5. Previous crop: Barley.

Standard error per plot: Grain 1.98 cwt per acre or 19.7% (28 d.f.)

Grain: cwt per acre

Seed Rate	Variety: Dutch Pigeon	Dutch Horse	Dutch Broad	Dutch Sheep	Ben 33 Essex Strain (±1.15)	Ben 35 English Green	Ben 39 (Ex NIAB)	Tic	Scotch Mazagan	Mean (±0.38)
1	4.4	7.7	10.1	7.2	10.7	7.4	9.6	7.5	10.2	8.3
2	5.3	10.5	10.5	10.3	12.4	11.9	10.2	9.0	12.0	10.2
3	6.3	12.8	11.6	11.1	14.5	11.1	13.2	11.8	12.8	11.7
Mean (±0.66)	5.3	10.3	10.7	9.5	12.5	10.1	11.0	9.4	11.7	10.1

49/Cc/2.2

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