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Yields of the Field Experiments 1952

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52/CD/1 Spring Beans - Fertilizer Placement - Rothamsted

Rothamsted Research

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52/Cd/1.1

SPRING BEANS

Fertilizer placement - Great Harpenden II 1952.

System of replication: 8 randomized blocks of 9 plots each.

Area of each plot: 0.0152 acre. Area harvested: 0.0126 acre.

Treatments: All combinations of:-

Superphosphate, cwt per acre: None; 2.6 broadcast on seed bed;
2.6 drilled in band 2" to side of seed.

Sulphate of potash, cwt per acre: None; 1.6 broadcast on seed bed;
1.6 drilled in band 2" to side of seed.

Basal manuring: None.

Cultivations, etc.: Ploughed: Oct 30. 40 cwt ground chalk per acre
applied: Mar 13. Seed drilled at 4 bushels per acre, fertilizers
applied: Mar 18. Sprayed with Nicotine against blackfly: June 19
and again July 7. Harvested: Aug 6. Variety: Ashwells Selection.
Previous crop: Oats.

Standard error per plot:

Grain, Dry Matter: 1.13 cwt per acre or 20.6% (55 d.f.)

Note: The yield of grain, dry matter, has been adjusted to allow for
the omission to spray four of the plots.

52/Cd/1.2

Summary of Results

Sulphate of potash: 1.6 cwt per acre	Superphosphate: 2.6 cwt per acre			Mean
	None	Broadcast on seed bed	Drilled in band 2" to side of seed	

Grain, Dry Matter: cwt per acre				
		(± 0.40)		(± 0.23)
None	4.1	4.9	4.5	4.5
Broadcast on seed bed	5.5	4.6	4.7	4.9
Drilled in band 2" to side of seed	7.0	6.7	7.2	7.0
Mean (± 0.23)	5.5	5.4	5.5	5.5

Plant number: thousands per acre				
None	166	163	157	162
Broadcast on seed bed	166	165	156	163
Drilled in band 2" to side of seed	172	167	165	168
Mean	168	165	159	164

Mean Dry Matter %: 79.2