

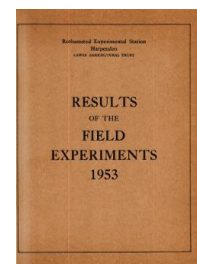
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53/CD/4 Spring Beans - Control of Back Aphis - Woburn (2)

Rothamsted Research

Rothamsted Research (1954) *53/CD/4 Spring Beans - Control of Back Aphis - Woburn (2)* ; Yields Of The Field Experiments 1953, pp 89 - 89 - DOI: <https://doi.org/10.23637/ERADOC-1-173>

53/oa/4

SPRING BEANS

Control of Black Aphis by insecticides - Woburn, Stackyard and Warren Field.

System of replication: 4 randomized blocks of 5 plots each.

Area of each plot: 0.000735 acre. Area harvested: 0.000367 acre.

Treatments:

- No insecticide (two plots per block).
- Seed soaked 4 hours in 2% emulsion Systox active ingredient.
- Seed dressing, 0.012 grams active ingredient of Systox per seed.
- Soil dressing, 0.75 grams active ingredient of Systox per foot of drill.

Basal dressing: None.

Cultivations, etc.:

Stackyard

Ploughed: Sept 10, 1952. Seed drilled at 100 lb per acre: Mar 10, 1953. Harvested: Aug 28. Variety: Spring Tick. Previous crop: Fallow.

Warren Field

Ploughed: Sept 12, 1952. Seed drilled at 100 lb per acre: Mar 14, 1953. Variety: Spring Tick. Previous crop: Barley. No yields were recorded.

Standard error per plot. Stackyard.

Grain: 2.51 cwt per acre or 14.1% (13 d.f.)

Note. Counts of Black Aphis, Pea and Bean Weevil were made on both fields.

Summary of Results

Grain: cwt per acre

Stackyard

| | Systox | | | Mean |
|-------------------------|---------------------|-------------|---------------|------|
| | None | Seed soaked | Seed dressing | |
| Mean (± 1.25) | 16.0 ⁽¹⁾ | 17.4 | 19.1 | 17.8 |
| Increase (± 1.54) | | 1.4 | 3.1 | 4.4 |

(1) ± 0.89