

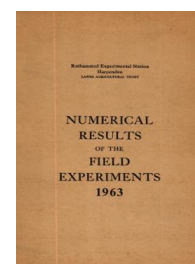
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Yields of the Field Experiments 1963

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63/R/RBE101/DC/1 Winter Beans - Levels of Chalk

Rothamsted Research

Rothamsted Research (1964) *63/R/RBE101/DC/1 Winter Beans - Levels of Chalk* ; Yields Of The Field Experiments 1963, pp 165 - 165 - DOI: <https://doi.org/10.23637/ERADOC-1-183>

63/Dc/1

WINTER BEANS

(RBe 101)

Residual effect of levels of chalk - Great Field I 1963, the 3rd year.

Design: 4 randomised blocks of 5 plots each.

Area of each plot (acres): 0.0193. Area harvested: 0.0117 or 0.0023.

Treatments: Ground chalk, tons per acre applied in two dressings, half before ploughing on Dec 6, 1960 and half after ploughing on Dec 13, 1960:- None, 1, 2, 3, 4.

Basal dressing: 3.25 cwt per acre compound fertiliser (14% P₂O₅, 28% K₂O) placement drilled.

Cultivations, etc.: Ploughed: Oct 29 - Nov 1, 1962. Seed drilled at 275 lb per acre: Nov 14. Sprayed with simazine at 1 lb in 40 gallons per acre: Dec 18. Sprayed with menazon at 5.6 fluid oz in 40 gallons per acre: June 22. Combine harvested: Oct 9*. Variety: Pedigree. Previous crops: Spring beans 1961, winter beans 1962.

* No yields were taken from 2 blocks as they had been severely checked by the winter and on one of the remaining blocks the yields were estimated from one row pulled by hand.

Notes: (1) Samples were taken for counts of pods and beans.

(2) For previous years' results see 'Results of the Field Experiments' 61/Dd/1 and 62/Dc/1.

Standard error per plot.

Grain (at 85% dry matter): 4.00 cwt per acre or 19.9% (4 d.f.)

Summary of Results

Grain (at 85% dry matter): cwt per acre

Ground chalk: tons per acre					Mean
None	1	2	3	4	
10.3	16.7	18.5	27.3	27.7	20.1
(±2.83)					

Mean dry matter % as harvested: 66.6