

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1963

[Full Table of Content](#)



---

## 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% P<sub>2</sub>O<sub>5</sub>, 28% K<sub>2</sub>O) 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

None	Ground chalk: tons per acre				Mean
	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