

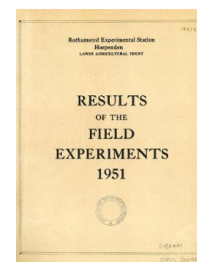
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

# Yields of the Field Experiments 1951

[Full Table of Content](#)



---

## 51/CD/3 Winter Beans - Fertilizer Placement - Rothamsted

### Rothamsted Research

Rothamsted Research (1952) *51/CD/3 Winter Beans - Fertilizer Placement - Rothamsted* ; Yields Of The Field Experiments 1951, pp 75 - 75 - DOI: <https://doi.org/10.23637/ERADOC-1-171>

51/cd/3

WINTER BEANS

Fertilizer placement (Contact) - West Barnfield I 1951.

System of replication: 2 randomized blocks of 6 plots each.

Area of each plot: 0.0152 acre. Area harvested: 0.0121 acre.

Treatments: None, and all combinations of: -

Compound granular fertilizer ( $13\frac{3}{4}\%$   $P_2O_5$ ,  $13\frac{3}{4}\%$   $K_2O$ ): 2.65; 5.30 cwt per acre.

Method of placement: Broadcast immediately before drilling (5.30 cwt only; In contact with seed; Drilled 2" to side of seed.

Basal manuring: None.

Cultivations etc: Ploughed: Sept 19. Seed drilled at  $3\frac{1}{2}$  bushels per acre with fertilizer applied as above: Oct 6. Harvested: Aug 15. Previous crop: Wheat.

Standard error per plot:

Yield, dry matter: 3.29 cwt per acre or 18.2% (5 d.f.)

Summary of Results

Compound granular fertilizer cwt per acre.	Method of placement			Mean
	Broadcast	In contact with seed	Drilled 2" to side of seed	
Yield, dry matter: cwt per acre				
None		( $\pm 2.32$ )		15.3 ( $\pm 2.32$ )
2.65		16.4	16.7	16.5 ( $\pm 1.64$ )
5.30	21.3	15.9	23.0	20.0 ( $\pm 1.34$ )
Mean	21.3 ( $\pm 2.32$ )	16.2 ( $\pm 1.64$ )	19.8	18.1
Plant number: thousands per acre				
None				130
2.65		122	130	126
5.30	123	115	120	119
Mean	123	118	125	123

Mean dry matter %: 79.6.