

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 1967

[Full Table of Content](#)



67/W/WCL/C/39 Levels of N - Spring Beans

Rothamsted Research

Rothamsted Research (1968) *67/W/WCL/C/39 Levels of N - Spring Beans* ; Yields Of The Field Experiments 1967, pp 253 - 253 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/C/39

SPRING BEANS

(WCL)

Levels of N for beans followed by wheat Woburn Lansome N.W. 1967, the first year.

Design: 3 blocks of 4 plots.

Area of each plot: 0.0242. Area harvested: 0.0121.

Treatments:

1. Levels of N: None (N0), 1.0 (N1), 2.0 (N2), 3.0 cwt N (N3) as 'Nitro-Chalk'.

Basal applications: 360 lb (0:14:28). Weedkiller: Simazine at 0.75 lb in 30 gals. Insecticide: Demeton-s-methyl twice, first by tractor sprayer, metasystox at 12 fluid oz in 30 gals - second by fixed-wing aircraft, metasystox at 12 fluid oz in 2.5 gals.

Cultivations, etc.: Ploughed: Oct 20, 1966. Ground chalk applied at 56 cwt: Jan 4, 1967. Deep-tine cultivated: Feb 3. 'Nitro-Chalk' applied, PK fertilizer applied, seed drilled at 200 lb: Feb 15. Weedkiller applied: Feb 24. Insecticide applied: June 9 and July 13. Combine harvested: Aug 24. Variety: Tarvin. Previous crops: Fallow 1965, barley 1966.

NOTE: Samples were taken for nodule counts, 1000-corn weight and percentage nitrogen.

Standard error per plot.

Grain: 5.26 or 18.4% (6 d.f.)

SUMMARY OF RESULTS

GRAIN				Mean
N0	N1	N2	N3	
	(±3.03)			
27.8	30.3	30.2	26.1	28.6

Mean D.M. %: 81.2