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Yields of the Field Experiments 1967

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67/R/BN/A/5 Barnfield - Beans

Rothamsted Research

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67/A/5.1

BARNFIELD 1967

(BN)

For history, treatments, etc., see 'Details' 1962 and 'Results' 62/A/5.

Spring beans were grown over the whole experiment. The manures were applied as usual to strips, but castor bean meal, sulphate of ammonia and nitrate of soda were not applied.

Cultivations, etc.: Dung and mineral fertilisers applied:
Jan 4, 1967. Ploughed: Feb 8 - 16. Seed drilled at 200 lb: Mar 23. Sprayed with simazine at 1 lb in 32 gals: Mar 23. Sprayed with demeton-s-methyl (Metasystox at 12 fluid oz in 32 gals): June 13. Sides of plots sprayed with demeton-s-methyl (Metasystox at 12 fluid oz in 32 gals): July 7. Combine harvested: Sept 8. Variety: Maris Bead.

NOTE: The crop on the strips without dung was stunted and some leaves were blackened, the crop on the dunged strips grew normally. Samples taken in June showed there were no differences in depth of drilling between the strips. It is thought that there was an interaction between simazine and soil organic matter.

67/A/5.2

SUMMARY OF RESULTS

GRAIN

Strip

	1	2	4	5	6	7	8	Mean
Series								
O	34.2	36.6	11.9	10.0	8.9	10.8	9.7	17.5
N	35.1	36.9	12.7	10.9	9.9	8.9	6.7	17.3
A	32.5	38.2	7.9	8.5	8.3	12.2	2.3	15.7
AC	35.2	39.4	17.3	11.0	14.0	14.0	6.5	19.6
C	32.8	39.6	18.0	11.5	17.6	17.9	6.5	20.5
Mean	34.0	38.1	13.6	10.4	11.7	12.8	6.3	18.1

Plot 9: 11.9

General mean: 18.1

Mean D.M. %: 78.4