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Numerical Results of the Field Experiments 1969

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69/R/RA/3 - Insecticides & Beneficial Insects - Spring Oilseed Rape

Rothamsted Research

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SPRING OILSEED RAPE

(69/R/RA/3)

Insecticides and beneficial insects, West Barnfield I, 1969.

Design: 3 randomised blocks of 3 plots.

Area of each plot: 0.3214. Area harvested: 0.0459.

Treatments: None (O), azinphos-methyl applied as 27% wettable powder at 6 oz a.i. (A), Endosulfan applied as 35% wettable powder at 7.3 oz a.i. (E) in 60 gals.

Basal applications: 8 cwt (20:10:10) in seedbed. Weedkiller: Paraquat at 0.75 lb ion in 20 gals.

Cultivations, etc.: Paraquat applied: 1 Oct, 1968. Ploughed: 19 Nov. Basal NPK applied: 14 Apr, 1969. Seed drilled at 8 lb: 16 Apr. Insecticides applied: 27 June. Combine harvested: 28 Aug. Variety: Nilla. Previous crops: Winter wheat 1967, barley, 1968.

NOTE: Insect counts were made with a stationary suction sampler and a portable suction sampler. Visual counts were made of insects on flower heads and estimates made of the number of blind stalks.

Standard errors per plot.

Grain, cwt: 0.57 or 2.8% (4 d.f.)
Yields of Fixed oil: 26.6 or 3.2% (4 d.f.)

SUMMARY OF RESULTS

O	A	E	Mean
GRAIN: CWT			
	(±0.33)		
19.9	20.6	21.0	20.5
% FIXED OIL			
38.7	38.5	38.5	38.6
YIELD OF FIXED OIL: LB			
	(±15.4)		
821	844	861	842

Mean D.M.%: 77.8