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Yields of the Field Experiments 1966

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66/R/PGM/C/14 N P K and Cutting - Old Grass (Park Grass Plot 6 Microplots)

Rothamsted Research

Rothamsted Research (1967) *66/R/PGM/C/14 N P K and Cutting - Old Grass (Park Grass Plot 6 Microplots)* ; Yields Of The Field Experiments 1966, pp 175 - 176 - DOI:

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66/C/15.1

SPRING WHEAT

(BH)

Sod seeding and pests - New Zealand 1966, the second year.

Design: 3 randomised blocks of 3 plots, split into 2.

Area of each sub-plot: 0.0226. Area harvested: 0.0152.

Treatments: All combinations of:-

- Whole plots: 1. Seedbed preparation: Ploughed 1965 and 1966 (M).
Ploughed with ioxynil spray 1965, ploughed 1966 (MI).
Direct seeding after paraquat* spray (P).
Sub-plots: 2. Insecticide spray: None (O), chlordane at 8.4 lb
plus diazinon at 4 lb before sowing (D).

* At 2 lb ion in 40 gals.

Basal applications: 340 lb (20:10:10) combine drilled. Weedkillers:
Amino-triazole at 4 lb plus ammonium thiocyanate at 3.7 lb in 40 gals,
mecoprop/2,4-D (Methoxone Extra at 6 pints in 30 gals).

Cultivations, etc.: Amino-triazole and ammonium thiocyanate applied:
Oct 13, 1965. M plots ploughed, P plots trimmed with forage
harvester and produce carted: Nov 16. Insecticide applied:
Jan 27, 1966. P plots sprayed with paraquat: Mar 1. M plots
rotary cultivated: Mar 14. Seed drilled at 180 lb: Mar 17.
Mecoprop/2,4-D applied: May 17. Combine harvested: Sept 7.
Variety: Kloka.

- NOTES (1) Counts of soil fauna were made throughout the season.
(2) For the previous year's results see 'Results' 65/C/24.

Standard errors per plot. Grain:
Whole plot: 3.59 or 10.3% (4 d.f.)
Sub-plot: 3.42 or 9.9% (6 d.f.)

66/C/15.2

SUMMARY OF RESULTS

GRAIN

	D	D	Mean
	(1) and (2)		(±2.07)
M	41.8	45.0	43.4
MI	39.7	43.0	41.3
P	18.5	20.3	19.4
Mean (±1.14)	33.3	36.1	34.7

Mean D.M. %: 83.2

(1) (±2.50) For use in vertical and diagonal comparisons

(2) (±1.98) For use in horizontal and interaction comparisons