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Numerical Results of the Field Experiments 1969

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69/R/CS/24 - P, K & Take-all - Barley

Rothamsted Research

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BARLEY

(69/R/CS/24)

P, K and take-all (*Ophiobolus graminis*), West Barnfield II 1969, the second year. For treatments etc. and for the previous year's results see 'Results' 68/C/16.

Area of each plot: 0.0265. Area harvested: 0.0140.

Basal applications: 0.8 cwt N as 'Nitro-Chalk' combine drilled. Ground chalk at 23 cwt. Weedkillers: Paraquat at 0.75 lb ion in 20 gals, 2,4-D at 8 oz and dichlorprop at 32 oz in 20 gals.

Cultivations, etc.: Paraquat applied: 1 Oct, 1968. Ground chalk applied: 1 Nov. Ploughed: 19 Nov. P and K applied: 11 Mar, 1969. Seed combine drilled at 140 lb: 24 Mar. 2,4-D/dichlorprop applied: 20 May. Combine harvested: 22 Aug.

NOTE: Estimates of eyespot (*Cercospora herpotrichoides*) and take-all (*Ophiobolus graminis*) were made in spring and summer.

Standard error per plot.

Grain, cwt: 1.61 or 3.9% (27 d.f.)

SUMMARY OF RESULTS

	P0	P1	P4	P6*	P24*	Mean
GRAIN:CWT						
(±0.81)						
K1	33.1	42.0	43.4	43.0	42.8	40.9
K4	35.8	42.0	42.4	43.2	42.3	41.1
Mean (±0.57)	34.5	42.0	42.9	43.1	42.5	41.0

Mean D.M.%: 82.3

	STRAW:CWT					
K1	25.2	32.6	40.7	35.0	42.2	35.1
K4	25.3	35.8	42.9	38.2	42.2	36.9
Mean	25.3	34.2	41.8	36.6	42.2	36.0

Mean D.M.%: 92.0

* Residual