

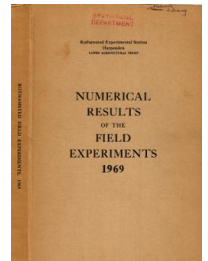
Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



69/R/W/5 - Gaines, Seed Rates & N -

Rothamsted Research

Rothamsted Research (1970) *69/R/W/5 - Gaines, Seed Rates & N -* ; Numerical Results Of The Field Experiments 1969, pp 245 - 246 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

WINTER WHEAT

(69/R/W/5)

Effects of seed rates and N on the semi-dwarf variety Gaines,
Long Hoos I and II 1969.

Design: 4 randomised blocks of 16 plots.

Area of each plot: 0.0036. Area harvested: 0.0017.

Treatments: All combinations of:-

1. Varieties and seed rates: Cappelle at 168 lb (CM),
Gaines* at 112 lb (GL), 168 lb (GM), 224 lb (GH).
2. Nitrogen: 0.6 (N1), 1.2 (N2), 1.8 (N3), 2.4 cwt (N4)
as 'Nitro-Chalk' in spring.

* NOTE: Gaines (but not Cappelle) received 'Plantvax' (F461)
fungicide at 1.5 lb a.i. in 30 gals on 2 occasions.

Basal applications: 300 lb (0:20:20) broadcast by drill at
sowing. Weedkiller: Mecoprop at 42 oz and 2,4-D at 10.5 oz in
30 gals. Fungicides: Ethirimol at 1.5 lb in 30 gals.

Cultivations, etc.: Deep-tine cultivated: 23 Oct, 1968. Seed
drilled, basal PK compound applied: 24 Oct. 'Nitro-Chalk'
applied: 28 Apr, 1969. Weedkiller applied: 8 May. Ethirimol
applied: 4 June. 'Plantvax' applied: 18 June and 1 July.
Combine harvested: 25 Aug. Previous crops: Fallow 1967,
potatoes 1968.

NOTE: Samples were taken for dry weight determinations at ear
emergence and at harvest. Samples were also taken in
July for estimation of eyespot (*Cercospora herpotrichoides*)
and sharp eyespot (*Rhizoctonia solani*).

Standard error per plot.

Grain, cwt: 3.39 or 5.9% (45 d.f.)

246

SUMMARY OF RESULTS

GRAIN:CWT

	N1	N2	N3	N4	Mean
	(±1.70)				(±0.85)
CM	58.4	62.7	58.6	58.7	59.6
GL	61.8	63.2	59.1	56.7	60.2
GM	56.4	62.0	56.1	50.1	56.2
GH	57.4	56.6	54.3	48.3	54.1
Mean (±0.85)	58.5	61.2	57.0	53.5	57.5

Mean D.M.%: 81.1