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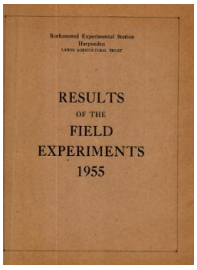
# Yields of the Field Experiments 1955

Full Table of Content




## 55/R/CA/7 Spring Wheat - Varieties and N

### Rothamsted Research

Rothamsted Research (1956) *55/R/CA/7 Spring Wheat - Varieties and N ;* Yields Of The Field Experiments 1955, pp 80 - 80 **- DOI: https://doi.org/10.23637/ERADOC-1-175**

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# SPRING WHEAT

Varieties and levels of nitrogen - Great Field I 1955.

Design: 3 randomized blocks of 5 plots each, plots being split into 2 for the application of nitrogen.

Area of each sub plot: 0.0083 acre. Area harvested: 0.0057 acre.

Treatments: All combinations of:
Whole plots. Varieties: Atle; Atson; Koga II; Peko; Progress.
Sub plots. Nitrogen: 0.3; 0.6 cwt N per acre applied as nitrochalk.

Basal dressing: 1.15 cwt compound granular fertilizer (13% $P_2O_5$, 13% $K_2O$) per acre, combine drilled with seed.

Cultivations, etc.: Ploughed: Dec 29, 1954. Nitrogen applied, seed combine drilled at 2½ bushels per acre: Apr 14, 1955. Sprayed with DNOC at 6 lb per acre in 80 gallons: May 12. Combine harvested: Aug 31. Previous crop: Potatoes.

Standard errors per plot, Grain:
Whole plot: 1.75 cwt per acre or 4.7% (8 d.f.)
Sub plot: 1.35 cwt per acre or 3.6% (10 d.f.)

## Summary of Results

Grain: cwt per acre

| | Variety | | | | | |
|---|---|---|---|---|---|---|
| | Atle | Atson | Koga II | Peko | Progress | Mean |
| | | | (±1.15)* | | | |
| N: cwt per acre | | | | | | |
| 0.3 | 35.9 | 35.0 | 40.6 | 38.3 | 38.0 | 37.6 |
| 0.6 | 33.4 | 32.8 | 41.0 | 38.0 | 37.4 | 36.5 |
| Mean (±1.01) | 34.7 | 33.9 | 40.8 | 38.1 | 37.7 | 37.0 |
| Diff. (±1.10) | -2.5 | -2.2 | +0.4 | -0.3 | -0.6 | -1.1 (±0.49) |

*for use in comparisons other than vertical.

Mean dry matter % as harvested: 83.5