

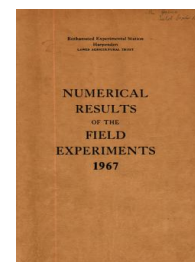
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Yields of the Field Experiments 1967

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67/S/SC/C/23 Intensive Wheat - Winter Wheat

Rothamsted Research

Rothamsted Research (1968) *67/S/SC/C/23 Intensive Wheat - Winter Wheat* ; Yields Of The Field Experiments 1967, pp 195 - 196 - DOI: <https://doi.org/10.23637/ERADOC-1-157>

67/C/23.1

INTENSIVE WHEAT

(SC)

Saxmundham, Ollershaw's and Garner's plots 1967, the second year.

Area harvested: 0.0098.

The Meadow Fescue ley is now replaced by a one year Italian ryegrass ley, cut twice for hay, which receives 1.0 cwt N in the seedbed, and 0.5 cwt N and 1.0 cwt K₂O after the first cut. N as 'Nitro-Chalk', K₂O as muriate of potash.

Basal applications: 560 lb (0:20:20) broadcast before ploughing. Weedkiller to wheat: Mecoprop/2,4-D (Methoxone Extra at 7 pints in 20 gals). Insecticide to beans: Demeton-s-methyl at 3 oz in 37 gals.

Cultivations, etc.: Basal PK compound applied: Sept 20, 1966.

Ploughed: Sept 22.

Wheat: Seed drilled: Oct 17, 1966. 'Nitro-Chalk' applied: Mar 23, 1967. Weedkiller applied: Apr 27. Combine harvested: Aug 17. Variety: Cappelle.

Grass ley: Seed drilled: Mar 14, 1967. 'Nitro-Chalk' applied: Mar 23. Cut: June 13. 'Nitro-Chalk' and muriate of potash applied: June 26. Cut: Aug 8. Variety: S22 Italian.

Beans: Seed drilled at 270 lb: Mar 13, 1967. Insecticide applied: June 12. Combine harvested: Aug 24. Variety: Hasler's Throws.

NOTES: (1) Yields were taken for winter wheat only.

(2) Estimates of the incidence of take-all (*Ophiobolus graminis*) and eyespot (*Cercospora herpotrichoides*) were made.

Standard errors per plot. Grain:

Whole plot: 1.83 or 5.2% (6 d.f.)

Sub plot: 3.05 or 8.7% (18 d.f.)

67/C/23.2

SUMMARY OF RESULTS

| Crop in 66 67 | N1 | N2 | N3 | Mean |
|---------------|------|------|------|---------|
| GRAIN | | | | |
| (1) and (2) | | | | |
| | | | | (±0.91) |
| W W | 27.6 | 35.6 | 37.6 | 33.6 |
| L W | 36.2 | 43.7 | 39.4 | 39.8 |
| W W | 28.4 | 34.3 | 32.7 | 31.8 |
| Mean (±0.88) | 30.7 | 37.9 | 36.6 | 35.1 |

Mean D.M. %: 81.3

- (1) (±1.55) For use in vertical and diagonal comparisons
 (2) (±1.53) For use in horizontal and interaction comparisons

| STRAW | | | | |
|-------|------|------|------|------|
| W W | 22.1 | 30.5 | 30.4 | 27.7 |
| L W | 32.2 | 34.1 | 33.4 | 33.2 |
| Mean | 27.1 | 32.3 | 31.9 | 30.5 |

Mean D.M. %: 82.1