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# Numerical Results of the Field Experiments 1970

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## 70/R/CS/1 Levels of N & K - S. Wheat

### Rothamsted Research

Rothamsted Research (1971) *70/R/CS/1 Levels of N & K - S. Wheat* ; Numerical Results Of The Field Experiments 1970, pp 129 - 130 - DOI: <https://doi.org/10.23637/ERADOC-1-59>

LEVELS OF N & K

(70/R/CS/1)

Residues of N, P and K to grass, Harwoods Piece 1970 - the 13th year, spring wheat.

For treatments, etc. see 'Results' 63/C/7.1, 65/C/6.2 and 69/R/CS/1.1 and for previous years' results see 58/Cg/2, 59/Cg/2, 60/Ci/1, 61/Dg/1, 62/C/11, 63/C/7, 64/C/6, 65/C/6, 66/C/5, 67/C/4, 68/C/4 and 69/R/CS/1.

The 1969 test of K to half plots was repeated.

Basal applications: 0.6 cwt N as 'Nitro-Chalk' broadcast. Weedkiller: Tri-allate at 1.25 lb in 20 gals.

Area of each sub plot: 0.0043. Area harvested: 0.0024.

Cultivations, etc.: Deep-tine cultivated twice: 30 Oct, 1969.  
Weedkiller applied: 19 Apr, 1970. K applied, seed drilled at 185 lb, N applied: 23 Apr. Combine harvested: 28 Aug.  
Variety: Kolibri.

NOTE: Green crop samples were taken on the 7th July. The percentage of K in the green wheat, and grain, was determined.

Standard errors per plot. Grain, cwt:  
Whole plot: 2.13 or 9.3% (33 d.f.)  
Sub plot: 1.77 or 7.7% (36 d.f.)

70/R/CS/1

SUMMARY OF RESULTS

GRAIN: CWT

1969 - 70

| 1958 - 67    | KD          | KK   | Mean    |
|--------------|-------------|------|---------|
|              | (1) and (2) |      | (±1.06) |
| N P K        |             |      |         |
| 0 1 0        | 21.8        | 25.1 | 23.5    |
| 1 1 0        | 21.0        | 25.8 | 23.4    |
| 1 1 1        | 22.6        | 25.9 | 24.3    |
| 1 1 2        | 21.3        | 22.7 | 22.0    |
| 2 1 0        | 18.0        | 23.6 | 20.8    |
| 2 1 1        | 20.3        | 25.9 | 23.1    |
| 2 1 2        | 21.2        | 26.5 | 23.9    |
| 3 1 0        | 20.1        | 24.5 | 22.3    |
| 3 1 1        | 23.3        | 27.2 | 25.2    |
| 3 1 2        | 19.8        | 23.0 | 21.4    |
| 3 0 2        | 20.6        | 24.0 | 22.3    |
| 3 2 2        | 19.7        | 25.8 | 22.7    |
| Mean (±0.26) | 20.8        | 25.0 | 22.9    |

Mean D.M. %: 84.2

- (1) (±1.23) For use in vertical and diagonal comparisons only  
 (2) (±0.88) For use in horizontal and interaction comparison only