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# Yields of the Field Experiments 1963

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## 63/R/AF/C/7 Levels of N and K - Cocksfoot 6th Year

### Rothamsted Research

Rothamsted Research (1964) *63/R/AF/C/7 Levels of N and K - Cocksfoot 6th Year* ; Yields Of The Field Experiments 1963, pp 147 - 148 - DOI: <https://doi.org/10.23637/ERADOC-1-183>

63/C/7.1

GRASS

(AF)

Levels of N and K - Harwoods Piece 1963, the 6th year.

Design: 4 randomised blocks of 12 plots each.

Area of each plot: 0.0087 acres. Area harvested: 0.0059 acres.

Treatments: None and all combinations of:-

Nitrogen: 0.3, 0.6, 0.9 cwt N per acre as 'Nitro-Chalk'.

Potash: None, 0.3, 0.6 cwt K<sub>2</sub>O per acre as muriate of potash.

All the above in the presence of 0.6 cwt P<sub>2</sub>O<sub>5</sub> per acre as super-phosphate.

In addition 2 plots per block, receiving 0.9 cwt N and 0.6 cwt K<sub>2</sub>O per acre, also received phosphate at either None or 1.2 cwt P<sub>2</sub>O<sub>5</sub> per acre as superphosphate.

Note: (1) N and K dressings are applied for each cut. All P dressings are applied once annually.

(2) All treatments were applied to the same plots as in the previous seasons.

Basal dressing: None.

Cultivations, etc.: P and first dressings of N and K applied:

Apr 4, 1963. Cut four times: May 29, July 16, Aug 22, Oct 29.

Variety: S37 Cocksfoot.

Note: For details of the previous years' results see 'Results of the Field Experiments' 58/Cg/2, 59/Cg/2, 60/C1/1, 61/Dg/1 and 62/C/11.

Standard errors per plot. Dry matter:

1st cut:	2.99 cwt per acre or 6.7% (33 d.f.)
2nd cut:	2.65 cwt per acre or 8.5% (33 d.f.)
3rd cut:	1.40 cwt per acre or 10.0% (33 d.f.)
4th cut:	1.25 cwt per acre or 7.4% (33 d.f.)
Total of 4 cuts:	5.76 cwt per acre or 5.4% (33 d.f.)

