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Yields of the Field Experiments 1966

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66/R/BY/C/19 Previous Crops and N for Barley 1965-66 - Spring Wheat, Kale and Ryegrass

Rothamsted Research

Rothamsted Research (1967) *66/R/BY/C/19 Previous Crops and N for Barley 1965-66 - Spring Wheat, Kale and Ryegrass* ; Yields Of The Field Experiments 1966, pp 189 - 191 - DOI:
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66/c/19.3

RYEGRASS

DRY MATTER

NO	N2	N4	Mean
1ST CUT			
10.6	(±1.73) 31.2	38.9	26.9
2ND CUT			
16.7	(±1.11) 23.8	34.8	25.1
3RD CUT			
8.7	(±0.34) 9.4	10.2	9.4
TOTAL OF 3 CUTS			
36.0	(±2.51) 64.3	84.0	61.4

Mean D.M. %: 1st cut: 18.1
 2nd cut: 19.6
 3rd cut: 16.6
 Total of 3 cuts: 18.1

SCHEDULE OF DISBURSEMENTS

FISCAL YEAR 1964

Month	PC	CC	Other	Total
1-31	10.00	10.00	(10.00)	10.00
2-28	10.00	10.00	(10.00)	10.00
3-31	10.00	10.00	(10.00)	10.00
4-30	10.00	10.00	(10.00)	10.00
5-31	10.00	10.00	(10.00)	10.00
6-30	10.00	10.00	(10.00)	10.00
7-31	10.00	10.00	(10.00)	10.00
8-31	10.00	10.00	(10.00)	10.00
9-30	10.00	10.00	(10.00)	10.00
10-31	10.00	10.00	(10.00)	10.00
11-30	10.00	10.00	(10.00)	10.00
12-31	10.00	10.00	(10.00)	10.00
Total	120.00	120.00	(120.00)	120.00

1.00 100% of 100.00
 2.00 100% of 100.00
 3.00 100% of 100.00
 4.00 100% of 100.00

66/c/20.1

BARLEY FOLLOWED BY RYEGRASS

(EQ)

The rate of action of P fertilisers, Sawyers II 1966, the second year.

Design: 4 replicates of 7 x 2 x 2 plus 2 plots per block without P, 8 blocks of 16 plots.

Area of each plot:

Barley: 0.0018
Ryegrass: 0.0018

Area harvested:

0.0009
0.0007

Treatments, to barley only: No P (0) (2 plots per block) and all combinations of:-

1. Phosphatic fertilisers:

Triple superphosphate	(S)
Potassium metaphosphate	(K)
Triple superphosphate plus potassium metaphosphate*	(SK)
Magnesium ammonium phosphate	(M)
Triple superphosphate plus magnesium ammonium phosphate*	(SM)
Potassium metaphosphate plus magnesium ammonium phosphate*	(KM)
Triple superphosphate plus potassium metaphosphate plus magnesium ammonium phosphate*	(SKM)

* Each material supplying half the P (one third in treatment SKM).

2. Levels of P: 12 lb (I1), 24 lb (I2) P.

3. Type of fertiliser: Powder, less than 1 mm. (P), granular 1-4 mm. (G).

All applied to barley with 'Nitro-Chalk', muriate of potash and kieserite in amounts adjusted to give a total of 60 lb N, 100 lb K and 25 lb Mg.

Basal applications: To ryegrass: 60 lb N and 50 lb K (16:0:16) on 2 occasions. Weedkillers: To barley: Ioxynil and mecoprop (Actril C at 4 pints in 50 gals), paraquat to stubble at 1 lb ion in 50 gals.

Cultivations, etc.

Barley: Ploughed: Jan 8, 1966. Fertilisers applied, seed drilled at 160 lb: Mar 10. Weedkiller applied: May 19. Harvested green: June 24. Paraquat applied: June 29. Variety: Maris Badger.