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Yields of the Field Experiments 1966



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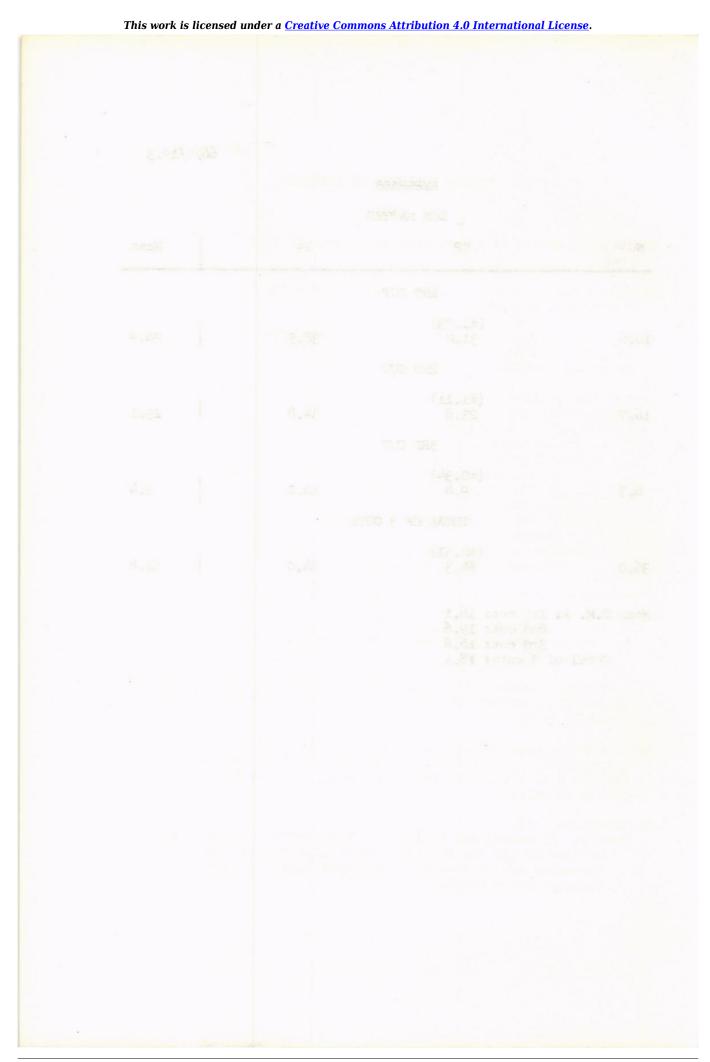
66/c/19.3

RYEGRASS

DRY MATTER

NO	N2	N ¹ 4	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 C	UTS	
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



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

- * Each material supplying half the P (one third in treatment SKM).
 - 2. Levels of P: 12 lb (L1), 24 lb (12) 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.